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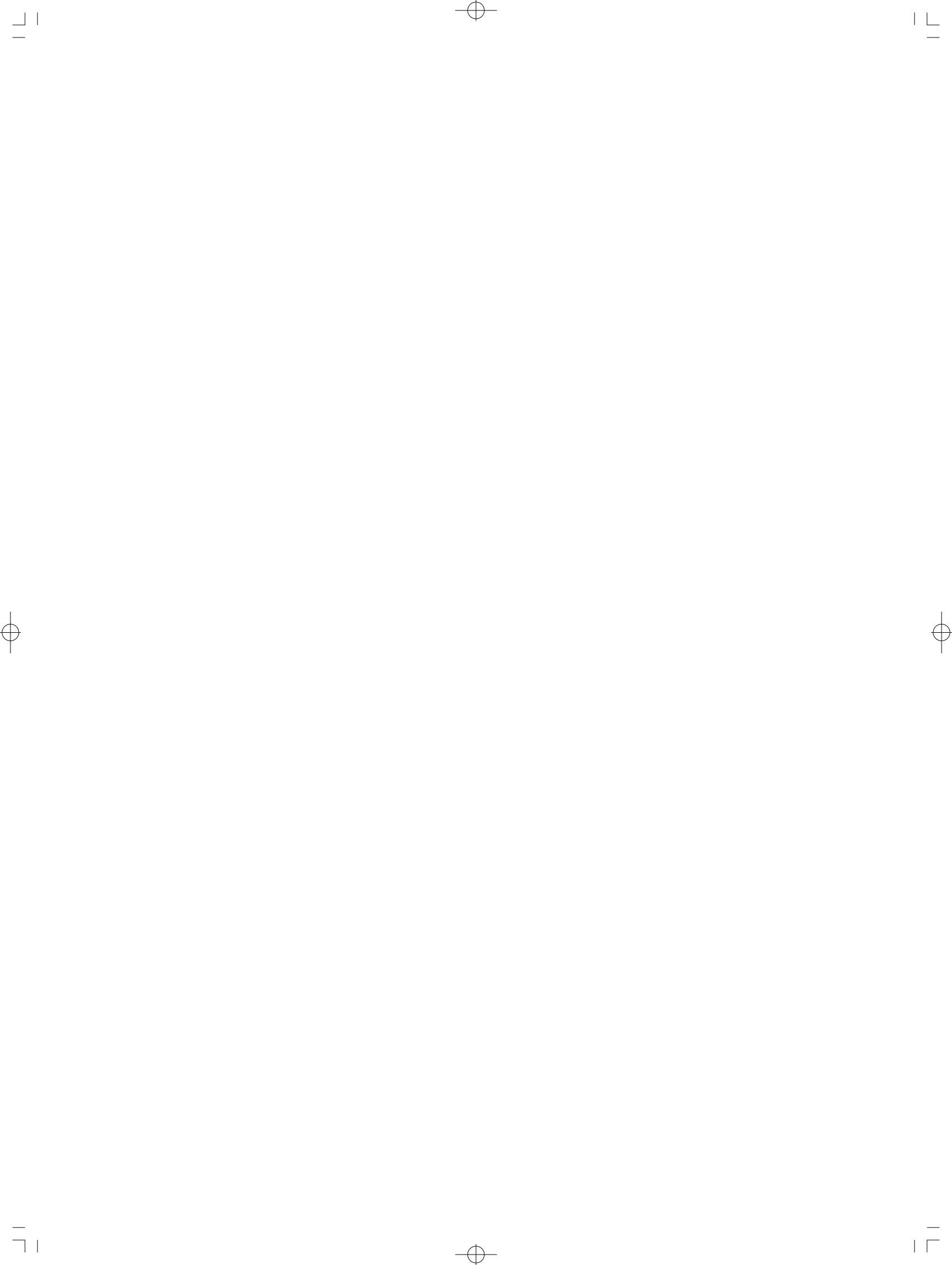
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分子诊断与治疗杂志

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分子诊断与治疗杂志

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EXPRESSIONS OF THE CD34 POSITIVE STAINING IN THE TUMOR TISSUE OF THE COLON AND RECTUM

LI Zuowei GUO Hang DENG Chao YAN Dongliang TIAN Binqiang

332

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

GUO Qi YAO Chang GUO Yufei 336

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

GUO Mitian ZHANG Ji WANG Sumei 340

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

MENG Qingfang 345

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

ZOU Yanxin LI Ni Ni ZHANG Yuehua ZHANG Xiuzhen 349

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

YAN Xueping TIAN Yuan WU Qingjing 353

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

LU Bing REN Dongsheng TAO Yafei LI Ming 358

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

JIA Limin ZHAO Cui WEI Di FANG Xiaofang 362

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

ZHANG Jianchang LAI Yanbo LI Panshi TAN Bingjun 366

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

YU Yang XUE Ying CANG Shundong 371

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

MA Jinping LI Hongjuan LI Yanmin 376

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

YANG Xiucheng YU Qiong GONG Linqiang YANG Yan 381

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

KUI Liyue WANG Mingying ZHOU Bailing LI Li HE Xiaoli SHI Shulan SHEN Ru 386

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

CHEN Xiuli ZHANG Xuedong DAI Erhei 391

THE EFFECT OF THE TREATMENT OF THE TUMOR TISSUE OF THE COLON AND RECTUM

YANG Shuo YANG Qingling CHEN Changjie 396

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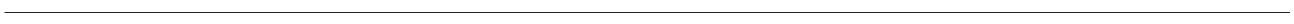
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ABSTRACT G I B c a 0 k . / 2 p l c u r w n c m d Q ? P Q Ŵ A m T Ŵ q a _ l a _ s q c f s k _ l
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r f c u m p j b u g r f g l _ q f m p r n c p g m b m d r g k c _ G j l w r b f c o r d a a g m m b n d a g p l d e a p o m s q
n _ r g c l r q u f m f _ t c ` c c l g l d c a r c b u g r f r f c t g a s q m d d c q c p m s _ j c m m d a m l r p m j
r p _ l q k g q b g n p m r c a r t s j l c p _ ` j A f n g m l n s j _ q o n s l g a , i R v o p l o r o m p o s a c b _ l c u a m p m l _
P L ? b c r c a r g m l r c a f l m j m e w ` _ q c b m l p c P R Ŵ N A P r c a d j m p m e w a N m a g o s t c r g r _ r g
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r c a f l m j m e w f _ q _ j q m p c a c g t c b k m p c _ l b k m p c _ r r c l r g m l _ l b f _ q ` c c l g l a j s
_ l b _ r p c _ r k c l r q r p _ r c e w , R f c a f _ l e c q g l b g _ e / l m q g b a k a p a g r p p g _ q g l a c r f c
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KEYWORDS Q ? P Q Ŵ A m T Ŵ g l g a _ j l b s a _ j e d m a g a q Q c b o r j m a g g a m l j b c r c a r g m l

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13 Jg O E s _ l W s N c r _ j . C _ p j w R p _ l q k q q m l B w l _ k p a q q l
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14 V s X Q f g J U _ l e W r _ j . N _ r f m j m e g a _ j d g l b g l W e q m d A M T G B
17 _ q q m a g _ r c b u g r f _ a s r c p c q n g p _ r m p w b g l r p c q q q w l b p m k c
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16 X m s J P s _ l B s _ l e d k _ j . Q ? P Q W A m T W j J m _ b g l
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17 N _ l W k f _ l e W _ l e W _ j . T p _ j j m _ b m d Q ? P Q W A m T W
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23 Q f g W U _ l X J g J c r _ j . ? I n g m b w p c q n m l q c q _ W _ g l q r Q ? P Q
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T p m j 2 . . 4 3 1 1 6 6 W 6 6 .

24 J g E A f c l V V s ? . N p m d g j c m d q n c a g d g a _ I n g m b g c q r m r f c
Q ? P Q W _ q q m a g _ r c b a n H m l L _ C g l p e s j q H K . c b 3 4 7
5 5 . 6 W 5 . 7 .

25 U _ j j q N P A p i V R m p r m p g a g K c P _ j . Q r p s a r s p a c m l
_ l b _ I n g e c l g a g r m d r f c Q ? P Q W A m T W j w a m n p i n c g l
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6 5 d b 7 2 5 1 . b . 7 4 6 ` 5 7 5 6 . 6 d 5 2 a q f r k j
3 R _ l e W s A J g V c r _ j . M l r f c m p g e g l _ l b a m l g l s g l e
c t m j s r g m l m d Q ? P Q W A m T W j Q a g l a c 2 P 2 c t
4 H g _ l e Q f g X J . R f c D p p q r B g q c _ q c V g q A _ s q c b ` w _
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l c u] j g q r . q f r k j
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N _ n c l r q P c a m t c p c b D p m k 7 A M T G B W K 2 . 2 . .
5 U s D X f _ m Q V s @ c r _ j . ? l c u a m p m l _ t p s q _ q q m a g _ r c b
u g r f f s k _ l p c q n g p _ r m p w b g q c H q c g l r A f c l 2 . .
6 X f s L X f _ l e B U _ l e U c r _ j . ? L m t c j A m p m l _ t p s q
d p m k N _ n c l r q u g r f N l c s k m l g _ 2 g l 7 A H L _ L C l e j H
K c b 2 . 2 . 3 6 2 6 5 2 5 W 5 3 3 .
7 X f m s W W _ l e V U _ l e V E r _ j . ? n l c s k m l g _ m s r ` p c i
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L _ r s 2 . .
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` p c _ i m d N l c s k m l g _ j A f c k g 2 1 2 . .
11 A m p k _ l T K J _ l b r M l _ g q c p c K _ j . B e r c a r g m l 2 m 1 7
l m t c j a m p m l _ t p s q W l A m T ` w p c _ j W r g k c P R W N A P
C s p m Q s 2 1 2 . j 2 5 3 2 4 5 .
12 X f _ l e E m m r c l ` c p e R Q s b _ w w c f M M . ? n p m r m a m W d m p b c
r c a r g m l m d A M T G B W s q g l e A P Q N P b g _ e l m q a q . f r m q
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ABSTRACT O B J E C T I V E UÀ 3 AĐ @. Uô H@.` P D,, U'QD, € @ ð Ð \\$H!h ð'QD, • H@ÖY

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Abstract: In addition, patients with SARS-CoV-2 infection who have been tested positive for serum and nasopharyngeal swabs during 20 cases of COVID-19 (50.0% (5/10) of CT scans) showed no abnormal findings (70.0% (14/20) were abnormal). There is no proportional relationship between viral load and imaging. It is more common in the peripheral zone (3/14) and posterior basal segment (1/14) of the infarcted area, involving two of which were lower (1/14) and bilateral (3/14). (5) In the cases of CT abnormalities (COVID-19), the imaging findings mainly include ground glass shadows (14 patches, abnormality 100%), consolidation (8/14) and thickened lines (5/14), accompanied by thickening of the interlobar bronchovascular bundle and coarse blood vessels (14), respectively. Conclusion: There is no positive correlation between viral load and CT imaging changes. SARS-CoV-2 RNA detection can be used with CT examination to improve the detection rate of COVID-19.

KEY WORDS: Q?PQWAmMTGBWg p_j l s a j c g a c _ a g W r r g k r g l j e m p c q a c l a c o s _ l r g r _ r g t c NAP

Open reading frame 1a/b ORF1a/b
Nucleocapsid protein 200 L
AB17500 PCR
ThermoFisher
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2019S-CoV RNA
S1
IPC
Cycle threshold (Ct)
IPC S ORF1a/b
N C140
SARS-CoV-2 IPC S
ORF1a/b N C140
SARS-CoV-2 IPC S
ORF1a/b N C140

1
1.1
2020 1 25 2020 3 18 SARS-CoV-2 IPC S
RT-PCR 6378 23
SARS-CoV-2 IPC
1.9 3
4 COVID-19 20 1.4
302 CT 57 CT Sensation16
1.2
2019S-CoV S-M 1-M
S-M 152
PCR 8 S-M CT
SARS-CoV-2 14/b

1 .5

S P S S 23 .0 S P S S Inc . C h i c a g o I L

U S A

2

2 .1

6 5 7 8 2 3 S A R S B C o V B

5 6 9 1 3 1 9

3 1 3 .0

C O V I D B 1 9 2 0 8 7 .0 C O V I D B 1 9

2 0 2 0 3 7 .3 3 9 1 4

7 9 2 2 2 4

7 5 1

1 1 3

2 .2 S A R S B C o V B

S A R S B C o V B 2 3 4

O R F 1 x / b N

I P C 5 1

2 3

S A R S B C o V B

2 O R F 1 x / b N

O R F 1 x / b N

6 3 5 N

2 .3 C O V I D B 1 9

2 3 S A R S B C o V B C T 9

1 p ~ ù k À W B P Ö 5 2 k W > P X ' 6 P Ö e 1

Vgc V Xfml e Xf_m Ucr _j .AfcqrAR dmp2Bwla _j
lAmT Nlcs kmIq_Pc j _rgml qfgnrm Lce _rntc PRW NAP Rcqrl e.
H. P _bqm j m2.2..

H-M J

0

Q ? P Q Ŵ Δ m T Ŵ

n2 7 2 111.1Q ? P Q Ŵ Δ m T Ŵ

? 3231.66 #5655.45 # @ 3534.65 #

5352.46 #c⁷_5 3 7 6 ; >

Q ? P Q Ŵ Δ m T Ŵ

L

ABSTRACT OBJECTIVE To compare and analyze the detection results of different detection methods
SARS-CoV-2 nucleic acid detection results for patients in the hospital. Methods A total of 101
patients with nucleic acid samples were collected for detection using different detection methods. And the
detection results were used for patient testing to perform nucleic acid amplification. The performance of the
samples was compared according to the test results attached to the results. Among them, the samples were
positive for fragment A, positive for fragment B, positive for fragment C, positive for fragment D, positive for
fragment E, positive for fragment F, and positive for fragment G. The detection results were
classified according to the results. c⁷

QXQK / 3 / 0 . . 3

3 / 6 / / 0

C F k _ x g j v k ` w > m s r j m m i , a m k

Q 3 P C R A B I 7 5 0 0

T h e r m o F i s h e r 2

A B A A

2 0 1 9 B A C o V

P C R 2 0 2 0 0 0 7

C O V I D B 1 9

A B

B 2 0 1 9 B

A C o V P C R B

2 0 2 0 0 1 0 2

1 . 2

1 . 2 . 1

2 0 1 0 1 9 4

2 0 2 0 7 0

A B

A B I 7 5 0 0 P C R

1 . 2 . 2

G r a p h P a d P r i n t . 0 0

C⁷

2

2 . 1

P C R B

2 0 2 0 B

1

1 . 1

1 . 1 . 1

0 6 1 2 0 2 0 2 9 2 1 1

1 0 1 4 8

5 3 4 2 . 0 2 1 9 . 2 5

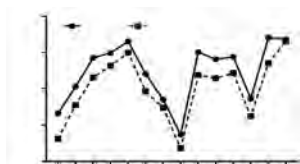
1 . 1 . 2

R N A 2 . 2

2 - 3

1

2 / 2 A r
R _ `2j A r t _ j s 2 q n d r g t c q _ k n j c q



0 / 2
D g e 3 p R c f c p c q / s 2 j m q n r d g t c q _ k 0 n j c q 4 c q r c b ` w
p c _ e c l r q

L s a j c m a _ n q g b Q n g Q c
K c k ` p K l c 7 n
o N A P

0 . W 7 A m T

P L ?

0 . W 7 A m T
/ _ - `

6 n

0 . W 7 A m T

1 2.17 W I A m T
H-M J 1 W 7 2.2. W 26
2 C @- M J 2.2. W 2 W 7.
f r m -- u u . e m t . a l - x f c l e a c - x f 2 1 2 . a W . 2 - 7 - a m l r c l r j
54564.5.frk

3 . 6
H-M J 1 W . 2.2. W
.2 W 26
H-M J 2.2. 3 257 W 6 . W 61 W
262 W 26 2.2. W 2 W 26

5 B @-
M J . 2.1. W 2 W 6 2.1. W 2 W . . f r m q -- u u 51 k a f . a m k -
s n j m _ b 2 1 1 6 1 1 2 . 1 6 1 1 1 5 1 4 3 2 1 1 3 2 1 1 . n b d

6 B @- M J . 2.2. W 1 W 3
2.2. W 2 W 6 . f r m -- l c u q . q a c l a c l c r . a l - f r k 2 . 2 . 1 - q -
435132. q frk

5 B @- M J . 2.2. W 2 W 6
2.2. W 2 W . . f r m -- u u . e m t . a l - x f c l e a c - x f 2 1 2 . a W i s -
.2-17- a m l r c l r j 546.746.frk

6 C @- M J 1 2.2. W 2 W 6 . f r m --
l k b a . a l - l A m T .

7 X . H 2.2. 45
2 1 W 1 . .

C F k _ h g j s 3 _ 3 l e D 0 4 , a m k C F k _ o g j f m s / d _ 4 l , a n k

1

1 1 1

1 1 1 1 1

1 8

1 4

4

8

3 6 0 0 1 4 8 2 0 1 7 0 1

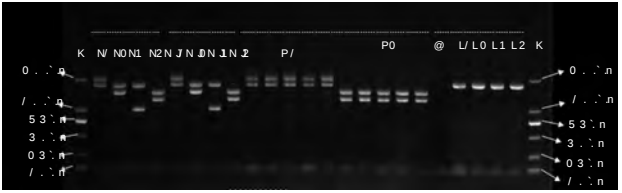
1

/

R_`j c

1	3	G A S S P C R
2		P C R
3	7	P C R 3
4	3	P C R
5	3	P C R
6	3	P C R
7	3	G A S S P C R
8	3	P C R 3
9	3	P C R 3
10		P C R 3
11	3	P C R +
12	3	P C R +
13	3 3	P C R +
14	3 3	P C R +

1.2
1.2.1



/ ,T^W 0 ,i.^W2.0 / ,i2^W
/ ,i0^W^G . ,i7^TT / ,i5^K B L ?
K _ p D c p Q , / N N J N 2
P / P L / L2 n

D g e s p R c f c p c q s j r q m d r f c c l r c p n p g q c p

1.2.2

G A P P C R

Y Y / T 1 5 2 7 B 2 0 1 7 / 5

2 0 1 8 4 1

D N A 2 n 9 , m Z

3 6 0 0 1 4 5 2 0 1 7 0 1

3 2

D N A

$f: f; f 8 5$ $4^{N \times \neg} f <$
 $8 3 4^{N \times \neg} f =$ $4^{8 3 < f 6 >}$ $4^{9 3 7} f 7 >$
 $9 3 4^{9 3 7} f 8 7$ $4^{\exists A \neg B}$ 7

4

8 9

2

2.1

1 8



/ ,T^W 0 ,i.^W2.0 / ,i2^W
/ ,i0^W^G . ,i7^TT / ,i5^K
B L ? K _ p D i . c . p , E E J

0

D g e s p R c f c p c q s j r q m d r f c l _ r g m l _ j p c d c p
_ l b b c r c a r g m l j g k g r

P C R

P 1 P L 1

R 1

/ B

P 2

P L 2

/ B

P 3

P L 3

/ B

P 4

P L 4

R 2

B

/ B

N 1 B N 4

/

2.2

1 8

1

2 0 n 9 / L

3 L

n

6 L

2 5 n 9

4 0 0 0

1 7

n

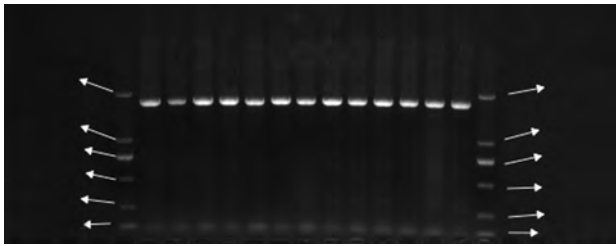
WW - R

/ 3 0 5 . N 6 T 5 Y W

TM

0 . / 51 0 6

0 . / 62



N A P

Staphylococcus aureus

/ n

35 / 10 /

01 k _ d s j , j g 4 1 j , g m k



220 L

20

/ KPQ?
R_`/j P_ngb b c r c a r g m l m d KPQ? p c q s j r q g
a p g r c p g _

K P Q ?
K Q Q ?

1.3

K i r b y p B a u p

1

K r K P B C L S I

1.1

A T C C 2 6 8 5 9

2018 1 2018 12

A T C C 2 5 3 9 9 M H

9 cm

i n t e r a c t i v e c a r t u n i t d u

30 g O O ID

0.5

15 m in

1.2

P C R

1 m L 1 0 0 0 0 r p m

2.2

20 g / m L

1.2 m m

1 h

25 m m

3.7

15 m m

20 L P r o t e i n a s e

M i c r o s c o p e

K

220 L G B

M i n i m a l i n h i b i t o r y c o n c e n t r a t i o n

7.0

M I C

10 m in

M I C 4 g / m L M R S A

1 . 4

A P I

V I T E K

..

K P B

..

2

2 . 1

P C R

1

R_`1j B c q r p c q s j r q m d k c r f g a g j j g l W p c q g o

0

N A P

R_`0j A m k n _ p g q m l m d p c _ j W r g k c d j s m p c q a c l r N A P k c r f m b
_ l b n _ n c p b g d d s q g m l k c r f m b r m b c r c a r

0

N A P

D g e 6 p C c q s j r q m d p c _ j W r g k c d j s m p c q a c l r
m d

2 . 3

/

N A P

D g e 5 p C c q s j r q m d p c _ j W r g k c d j s m p c q a c l r N A P b c r c a r g m l m d

3

2 . 2

/ 4 n

1 . 1

K P Q ?

W

2

R_j`2 ? l _ j w q g q m d b p s e p c q g q r _ l a c m d k c r f g a g j j g l W p c q g q r _ l r
Q r _ n f w j m a m a a s q _ s p c s q

/)Ñ) 8'••

K P Q ?

/ . . / # n

TCED npmW?BK

0

TCED/ npmW?BK

T?N 2.15 5 2.16 5

41. 56 T?N

26 / 3. 2. 55 17

CJQ? TCED npmW?BK TCED npmW?BK

TCED npmW?BK T?N n

T?N TCED npmW?BK T?N

TCED npmW?BK TCED npmW?BK

TCED npmW?BK

n

ABSTRACT Objective To investigate the relationship between serum carcinoembryonic antigen (CEA) and preoperative chemotherapy (CT) in patients with advanced gastric cancer (AGC). Methods A total of 410 patients with AGC were enrolled in this study. They were divided into two groups: CT group and non-CT group. The primary endpoint was overall survival (OS). Results The median OS was 12.1 months in the CT group and 10.5 months in the non-CT group. The difference was not statistically significant (P=0.15). Conclusion The results of this study suggest that preoperative chemotherapy may not improve OS in patients with AGC. Further studies are needed to confirm these findings.

1 / 6 . 0 . 0 2

/ , 2 3 1 . . .

0 , 2 3 1 . . .

C F k _ h g j _ m b m l / e 4 f 1 s , _ a l m e k >

1.2

ADM

0

T ? N

$\bar{x} \pm s$

R_`jc 0 Amkn_pgsmI md ajglga_j glbcxcs _kmle epmsns ugrf
bgddcpcI rsc t cpgrw md T ?N $\bar{x} \pm s$

VEGF

PROPADM

VAP

3.0 mL 1.500 /m in 5 m in

80.0

ELISA VEGF PROPADM

1.3

SPSS19.0

$\bar{x} \pm s$

2.3 VAP

VEGF PROPADM

c^7 Kc $\delta \phi \chi m \varsigma$

$f \phi \delta \tau \lambda \tau \delta b$ MI $\pm$

VEGF PROPADM

2

1

T ? N

$\bar{x} \pm s$

R_`jc 1 Amkn\_pgsmI md ajglga\_j glbcxcs `cruccl epmsns
ugrf bgddcpcI r npmeImsgs md T ?N $\bar{x} \pm s$

2.1

VAP

VEGF PROPADM

APACHE

VAP

/

$\bar{x} \pm s$

R_`jc / Amkn\_pgsmI md ajglga\_j glbcxcs `cruccl 0
epmsns $\bar{x} \pm s$

2.4

VEGF

PROPADM

ROC

VAP

ROC

VEGF

Optimal operating point

0.0 P 130.8 pg/mL VAP

PROPADM ACU

3.12 mmol/L 4 5 1

VAP

VAP

c^7

2

TCED

npm $\hat{W}$?BK PMA

?SA

R_`2j $\emptyset$ SA MD PMA asptc md qcpsk TCED _I b
npm $\hat{W}$?BK jctcjq

?SA

TCED

, 6.2

Npm $\hat{W}$?BK

, 526

, 646

2.2 VAP

VEGF PROP

ADM

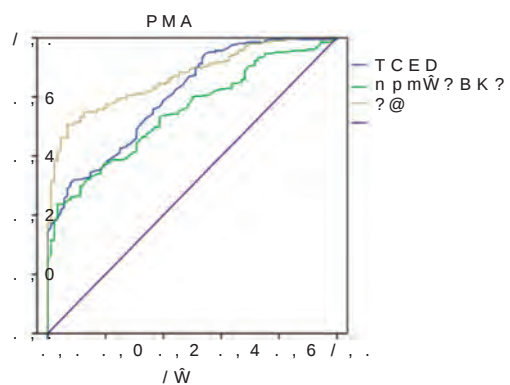
3

VEGF PROPADM

VEGF PROP

3 TCED n p m W ? B K M M N 3 n
R _ ` 3 j M M N m d q c p s k T C E D _ l b n p m W ? B K j c t c j q

) J P + J P n



/ TCED n p m W ? B K M M A
D g e s p P M A a s p t c m d Q c p s k T c e d _ ? B K p m W ? B K
2 . 5 V E G F P I S A D M
V A P V E G F
P I S A D M
3

T ? N
6 n
T ? N
/ 2 # 2 | . #
4 . # n
ñ N
/ . n
A
A
/ 0 n
T ? N
n
T C E D 0 0 2 B
T C E D 2 B C E D 0 T C E D 6 B C E D . T C E D 4 3

T C E D
n T ? N
/ 3
/ 4 n
n p m W ? B K n p m W ? B K
/ 5 n
n p m W ? B K
n p m W ? B K
n p m W
n p m W ? B K ? N
T ? N n p m W ? B K
n T ? N
T C E D n p m W ? B K
T ? N
n

T C E D n p m W ? B K
T ? N
6 n
G A S G A S
T ? N
n
1 . H.
2.16 15 6 456 W 462.
2 k c r _ H. 2.16 26
23 5416 W 542..
3 T C E D
H. 2.15 55 13 55 W 56.

BL ? R@WBL ? 4W EP ? q
n 2.16 4 2.17 5 51.
154 356 R@WBL ? NAP EP ? JGQ ?
n R@WBL EP ? q
42.7 # 53.4 # 76.3 # 5..2 # R@WBL ?
21.6 # 52.5 # EP ? q 56.6 # 6..2 #
5..6 # 75.. # n 3

 $R @ \hat{W} B L \Phi \hat{W}$

4 / . . 2 /
C F k _ 4 3 j . 3 0 3 4 , a m k

f qŴADPNr s g l Ŵ?

KFB ATA TA
f qŴAPNDcrsŷlŴ?
A 0 . / 40 0 . / 71 KFB / . 2
V ATA TA f qŴAPDNcrs g l Ŵ?
PMA ? SA ATA TA
f qŴAPDNcrs g l Ŵ? TA
ATA 25 23 , / 7 # ATA f qŴAPN ATA Dcrs g l Ŵ?
ATA

KFB ATA TA f qŴAPDNcrs g l Ŵ?
ATA TA
ŴA ?

ABSTRACT OBJECTIVE To study the occurrence of cardiac valve calcification (CVC) and valvular calcification (VC) in kidney patients with moderate-to-severe chronic kidney disease (CKD) and to analyze the diagnostic value of serum hyperparathyroidism (PTHrP) and PTHrP and the correlation with the degree of calcification. METHODS A total of 104 kidney patients with CKD who were treated in the hospital from February 2015 to March 2015 were included for cross-sectional study. The occurrence of CVC and VC were assessed using cardiac catheterization (CVC) and echocardiography (VC). The serum PTHrP and PTHrP levels of patients with moderate-to-severe CKD were analyzed. RESULTS The ROC was 0.74 and the area under the curve (AUC) was 0.74 in the analysis of the diagnostic value of the serum CVC and VC. The correlation between PTHrP and PTHrP and calcification degree of CVC and VC was 0.74. Among 104 kidney CKD patients at CKD 4-5, 15 were diagnosed with CVC by catheterization (14.4%) and the serum PTHrP level of patients with CVC was higher than that

5 / 6 2 0 0 3

/ . . . 16

C F k y g 3 a / c 2 3 5 0 > q g l _ , a l

CALCULATION E IDENTIFY PATIENTS WITH MHD WITH DATA CVC BY V.C. A HUNG THAMHSCRP AND
FATHABA MAY BEY AS IN PATIENTS IN THE CALCULATION AND PROTECTION OF CALCULATION AND DATA GOOD DATA
VALUE TATINA KIBHAKIA AND KIBHAKIA KIBHAKIA KIBHAKIA CVC BY V.C. .

KEY WORDS Fc kmbg _Aj_wpbgg_ a t _j t cT a g a g d g aa_Fjgandggac_l rggm lg t c W A
p c _a r g t D n p n g b g l

a f p m l g a p c AIP_Dj d _g j s p c

C V D

c l b q r _e c p c C I Q P j B b g q c _ q c
/ n

k _g l r c l _ l a c K F B k m b g _ j w q g q

1 . 2

0 n K F B

1 . 2 . 1

a _p b g m t _q a s j _p . b . g q c _ q c

FATHABA AV 6008

ATB

FATHABA

KFB

50800

ATB

PHILIP S

7.5 MHz

R 55008

1/2 n

W A

f w n c p q c l q g r g t c W A p . c _ a . r . g . t . c

n p m r f a g W A P N

? D c r s g l W ?

OLYMPUS HSCRP FATHABA

3 K 15

ATB

3/4 n

Sigma

80

THAMH

KFB

f q W A P D n c r s g l W ?

Block II

EP

ANYGK

KFB ATB

1 . 2 . 2

n

5 /

4.5

220

280 L / M IN

500

1

M L / M IN

1 . 0 1 . 2 g / k g

1 . 1

CALCULATION VALVE

2016

2

2019

3

CALCULATION CVC

1

1

MHD

104

M M

7

6.1

4.3

6.5

9.2

7.3 . 8.6

CVC

1

9 . 25

MHD

6

1.3

5 . 17

3

7

1 . 38

6.1

ABDOMINAL AORTIC CALCIFICATION SCORE

1.8

1.3

7

AACS

T . . L . L . L .

5

MHD

KAPPPILA

7

L . L .

6

6.5

0

- af_l ec b _ l b u f w g r k _ H r c p m l c w G l r 2.15 72 1 26W
36.
- 2 J g V V s F V g _ m V A c r _ j . N p m e l m q r g a c d d c a r m d f g e f W d j s v
f c k m b g _ j w q g q g l n _ r g c l r q u g r f a f p m l g a i g b l l e w @ q c _ x q c
H m K c b @ g m j 2 c 1 6 47 1 c 45.6.
- 3 M e _ r _ F s k _ q _ u D s H s k _ c Q _ j . C p p _ r f c r m
a _ p b g m r f m p _ a g a p _ r g m _ l b _ j j W a _ s q c _ l b a _ p b g m t _ q a s j _
k m p r _ j g r w g l n _ r g c l r q s l b c p e m g l e k _ g l r c l _ l a c f c k m b g _ j w q g q
p c q s j r q m d 5 B K @ B W . A j g l C v n L c n f 0 m 1 5 21
5 6.5W6.6.
- 4 H g k ` m P l \_ u \_ i \_ k g W K K p s Q c r \_ j . D g ` p m ` j _ q r e p m u r f
d _ a r p _ a a c j c p _ r c q n f m q n f _ r c W g l b s a c b t _ q a s j _ p a _ j a g d g a
g l r f c _ ` q c l a c m d l j m r f m b c H g a g c l l a n c w G l r 2.14 65
5 11.3W1111.
- 5 F m b l P g l e c j W l s K i _ p R l A D r _ j . F g e f Q c l q g m t c
A W P c _ a r g t c N p m r c g l _ q _ K _ p i c p d m p G l d j _ k k _ r g m l g l G p p g r _
@ m u c j Q w l b p m k l d A j g l E _ q r p m 2 l 1 6 5 m j 3 225W
232.
- 6 F _ q f c k g H m q f _ e f _ l ? F P ` c p g Q _ j . N m r c l r g W j A m p
p c j _ r g m l @ c r u c c l A g p a s j _ r g l e D c r s g l W B ? U g r f l b N c l r p _ v g l W
@ g m a f c k g a _ j N _ p _ k c r c p q m d A _ j a g d g a _ r g m W j l F c k m b g _ j w q g q
r g c l r q H . ? p a f G p _ l 2 c 1 5 2. 12 552W555.
- 5 l g b l c w B g q c _ q l c n p m t g l e E j m ` _ j M s r a r k E M
A l B W K @ B U m p i E p m s n . 2 . B E M j g l g a _ j N p _ a r g a c
E s g b c j g l c S n b _ r c d m p r f c B C t e l j n g g q m p c t c l r g m l
_ l b R p c _ r k c l r m d A f p m l g a l g b l c w B g q c _ q c W K g l c p _ j _ l b @ m l c
B g q m p b a p l B W K @ B H . l g b l c w G l r Q s n 2 j 11 2.15
5 1 1W57.
- 6 . 3.
5 H.
2.16 36 12 1165W1166.
- 7 .
H. 2.14 74 4 241W243.
1. P m e _ l K a a _ p r f w K a e p c e m p c r E _ j . O s _ j g r w m d j g d c
k c _ q s p c q n p c b g a r a _ p b g m t _ q a s j _ p f c _ W r f _ l b n f w q g a _ j
k _ l a c g l a f p m l g a p c l _ j d _ g j H s p c j m Q g M l 2 15
12 7 c.163726.
- 11 @ p _ l b c l ` s p e l P K k _ l l l R m q P c r _ j . P c j _ r g m l q g n
` c r u c c l q a j c p m q r g l _ l b a _ p b g m t _ q a s j _ p a W j a g d g a _ r g m l g l f c k
_ j w q g q n _ r g c l a q m q q W q c a r g m l H . j @ q r s b l c n f p m j
2.13 14 1 217W235.
- 12 .
H.
2.15 5 2 11.W113.
- 13 Q a g _ j j _ l H m H U F A p _ g l g a c _ l s c r A _ j . @ g m k _ p i c p q m d
t _ q a s j _ p a _ j a g d g a _ r g m l _ l b k m p r _ j g r w g l n _ r g c l r q u g r f C Q l
H.2.14 7 4 545W555.
- 14 . ? 5
H.
2.16 13 27 24W25.
- 1 l c r r c j c p @ j m a i E T t c l c n m c j H _ j . C v c a s r g t W q s k 15
k _ p w m d 2 f 1 5 l B E M A f p m l g a l g b l c w q c _ q c W K g l c p _ j ? H.
_ l b @ m l c B g q m p a d B W K @ E s g b c j g l c S n b u r c N q 2.15 15 3 142W146.

0

/ 0 /

S ? / 2 R2BK n

2.16 1 2.16 12 156 R2BK

52 / 1.4 n / 2 S ?/

D6LQ/ A DAN Jme qna R2BK

Nc_ p qml S ?/D6LQAN n

/ 2 S ?/D6LQAN Nc_ p qml S ?/D6LQAN

n S ?/D6LQAN

S ?/

D6LQAN R2BK /

n

2

ABSTRACT OBJECTIVE To investigate the relationship between serum uric acid (SUA) and intertriginous and non-intertriginous in patients with type 2 diabetes mellitus (T2DM). METHODS 176 T2DM patients were divided into two subgroups: intertriginous (IT) and non-intertriginous (NIT). Data were collected from patients who had been diagnosed with diabetes mellitus and were divided into intertriginous and non-intertriginous groups. The levels of serum SUA and fasting blood glucose (FBG) and fasting C-peptide (F-C-P) were detected and compared. Logistic regression analysis was used to investigate the influencing factors of intertriginous in patients with T2DM. Pearson correlation analysis was performed on the correlation between serum SUA, FBG, F-C-P and intertriginous. The intertriginous patients were divided into those with intertriginous and those without intertriginous. The serum levels of FBG and F-C-P were compared between the two groups. The correlation between serum FBG and F-C-P levels and intertriginous was analyzed by Pearson correlation analysis. Serum SUA, FBG and F-C-P levels in the blood were compared.

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/ , 2 3 . . .

0 , 2 3 . . .

C F k _ b q j / r 7 4 6 B 4 B > a m k

CONCLUSION SUMMARY
STUDY FINDINGS AND CONCLUSIONS
CONTRASTED WITH CHANGES IN SAMPLING FREQUENCY AND MECHANICAL DYNAMICS OF THE ABOVE SYSTEM
INDICATE THE CAN PROVIDE ADEQUATE EVIDENCE TO CORRELATE THE MECHANICAL DYNAMICS

KEY WORDS Q c p s k s p g a q j a g b d s w a c d o n g l ` c r c q f k c k m j p p f r c m j m e w
K g a p m _ l e @ j m m m b r f y q a m q g r w

0 R w n o d g _ ` c r c q R O B K j g r s q

/ , 6
0 . 1 . < / n

/ 0 $\bar{x} \pm s$
R ` j c / A m k n _ p g s m l m d e c l c p _ j b _ r _ m d 0 e p m s n s $\bar{x} \pm s$

1_n

c^7

-	5 3 5 5 ;
	5 3 < 8 7
2_n i e 0 k	5 3 8 9 >
ak	5 3 = 6 9
R O B K	6 8 3 5 9 5
S p g a _ a g b	= 3 5 < =
0.. k_-s	> 3 ; 8 5
1. k_-s	6 6 3 5 : <
3 k_-s	6 7 3 6 > 6
/ k_-s	= 3 7 < 8
0.. k_-s	6 7 3 > 7 >
FBJWA k k m j - J	8 6 3 7 = 6
JBjWA k k m j - J	6 < 3 5 8 7
RA k k m j - J	6 3 5 : :
F`?ja #	

1

1 . 1

1 . 2

2018 1 2018 12
178 T2DM
84 92
72
2
HBAIC
2017 V A / D o D
T2DM
F P G 7 . 0 m m o l / L 2 h
2 h F P G 11 . 1 m m o l / L
200 4 . 32 m m o l / L 30 5 . 45 m m o l / L
5 8 . 53 1 17 . 91 m m o l / L
200 1 . 70 m m o l / L 2

1

160 / 100 m m H g

0 0 S ? D G L Q A N $\bar{x} \pm s$
R_`jc 0 Amkn_pgsm l md scpsk S? dgls_lb DAN jc t cjs gl
0 epmsns $\bar{x} \pm s$

1 .3 3 m l 1 5

m i h 3 0 0 0 f / m i h 2 0

M O D U L A R P 8 0 0
U A F I N S F C P

2 .2 T 2 D M
T 2 D M

1 .4 2 U A F I N S F C P

T 2 D M

U A F I N S F C P

T 2 D M 8 4

9 2 U A F I N S F C P

U A F I N S F C P

1 .5 S P S 8 2 2 .0
 $\bar{x} \pm s$

1 2 3
U A F I N S F C P
L o g i s t i c
U A F I N S F C P T 2 D M

1 R 0 B K	
R_`1j 6 l d j s c l a g l e d _ a r m p q m d f c k m p f c m g l 0 B K	
b	c^7
5 3 < 9 >	7 3 = < 8
S? 5 3 < = <	8 3 > 9 <
DGLQ 5 3 : ; 5	8 3 8 > >
DAN 5 3 < = 9	8 3 ; 8 <

2
2 .1 2 U A F I N S F C P
U A F I N S F C P

2 .3 U A F I N S F C P
P r e f e r e n c e U A

A B C
A U A B F I N S C F C P
/
D g e s p A m p p c j _ r g m l _ l _ j w q g q m d q c p s k _ l b f c k m p f c m j m e w

2.4

U A

2 S ? D G L Q A N

$\bar{x} \pm s$

F I N S F C P

U A F I N S C P

R_`jc 2 Amkn_pgsm l md scpsk S? dgls_lb DAN jc t cjs
ugrf kgapm t _sasj_p bgsc_scs $\bar{x} \pm s$

2.5

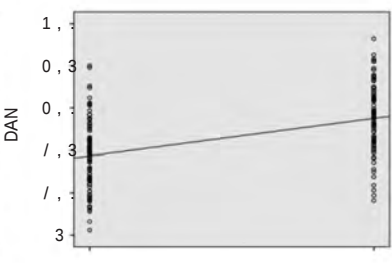
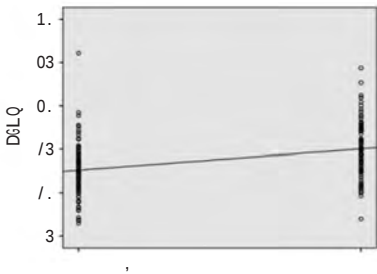
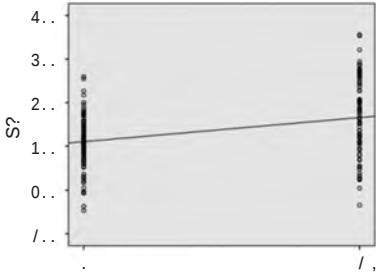
U A F I N S F C P

D T P A R A N

U A

à u

à u p à u



cl q Mvjb_rgtc Qrp2c'dnp k _ j @ j mmb P fchbjTneWAs
1 @pgrm HNNlmpg TKB_tq q ? K. Kcr_`mjga Q s pecpwl rfcj \_ p Bwq d s larqml2BjRwtrcc H. Bq\_`crc q A_2p15
R pc_rkclr ? j empgrfk2d Bp `Brcp? Hmglr Qr_rckclr 36 11 212.W2125.
`w Glrclp l\_rgm l \_ j Bq\_`crc q Mp eH_ ltk? Kmp2q15 1. .2
315 6 635W636.
2 J sm NWs FXf_m Vcr _ j. Kcr_`mjmkga q Qrsbwmd PmsvWl. 2.16 36 5 6.5W6.5.
clWW E _ qrpqa @wn _ q BVEQmEcpow_r F2Bp_`W 11 . 2
rcq N_rqclrq @_ qcb ml S jrp _ncp dmp k _ laW Josjb Afpmk _me p _ H.
nfwWK _ q q QncarpHkclr Pmpmrcmkc 2 clq 15 4 2.13 1. 12 152.W1522.
1266W277. 12 . /
3 . 2 2
/ H. 2.16 3. 3 35W36.
H. 2.16 36 5 1173W1175. 13 .2
4 .2 f q W A P S N ?
H. 2.16 56 14 H. 2.15 17 1 31W32.
45W47. 14 . R2BK K C R Q S ?
5 . 2 H. 2.16 16 12 1521W1523.
H. 15 . 2
2.16 22 5 26W31. H. 2.15 14 11 26W27.
6 Aml jgl N Amj`s pl? H ml Bcr _ j. Qwlmnqq2m15rfc 16 .
S.Q. Bcn_prkclr md Tcrclp_l q ? d d _p q - S.Q.Bcn_prkclr md H. 2.15 25 12 1257W
Bcdcl qc A j glga _ j N p _ arackE_sl bcej q kclr md 2Rwnc 1262.
Bq_`crc q Kc j H. glq Glrclp j K2cl15 165 7 655W663. 15 . R2BK
5 . NN ? P E A 1 / N ? W ? N L H. 2.17
H. 2.17 11 35 2 114W115.
2 71W75. 16 .2
6 . 2 H. 2.16 22 5 533W
H. 535.
2.15 44 2 367W372. 17 .2
7 Bq_u KNq _ j msvKT_p rql Ar _ j. Qgai j c Ac j j Wp _qr Ump q B . 2.15 1W32.

0 6 0

4 , / . , 0 . / 5
H , H ,
0 . / 52 / 0 0 W / , 4 / 7 / 7 W / 7 0 2 ,
5 , NAP YW / / ,
H , H , 0 . / 6 . 1 0 . W
0 . / 133 2 . 5 W 2 / 0 , 0 . 3 ,
6 , / 0 ,
H , 0 . / 7 66 H , 0 . / 0365 5 4 W
4 / 7 W 4 0 0 , 5 5 / ,
7 , 2 / . 0 4 / 1 , 0 . W 1 . / 4
H , H , 0 . / 15
0 . / 7 66 4 0 1 W 4 0 5 , 2 / 0 / 4 W 0 / 7 ,

AMNB G J1W1 -0Q R

AMNB GJ58-QR /
n 2.15 5 2.17 5 GAS AMNB 7.
AMNB 1.. GJ58-
QR AMNB GJ58-QR / GJ58-QR 45 n
N_2M/ N_AMNF/
QMB/ A? R/ PMQ/ KB? n AMNB GJ58-
QR / n AMNB GJ58-QR
GJ58-QR

QR AMNB AMNB
n
AMNB GJ58-QR

ABSTRACT Objective To investigate the correlation between IL32/5 T2 ratio and blood gas
parameters in patients with systemic sclerosis (SS) and systemic sclerosis (SS) and
patients in our hospital during March 2017 to May 2018 with chronic SS and systemic sclerosis (SS) and
systemic sclerosis (SS) who underwent physical examination (SS) in our hospital with systemic sclerosis (SS) and
systemic sclerosis (SS) at the same time with systemic sclerosis (SS) and systemic sclerosis (SS) at the same time
IL32/5 T2 ratio group (SS) and the median of IL32/5 T2 ratio in SS and SS group. The difference of
systemic sclerosis (SS) indicator (SS) and systemic sclerosis (SS) between SS and SS group.
PM Systemic sclerosis (SS) indicator (SS) and systemic sclerosis (SS) between SS and SS group.
RESULTS In each group with comparison. To evaluate the correlation between
systemic sclerosis (SS) and systemic sclerosis (SS) indicator and the degree of systemic sclerosis (SS) in SS and SS
patients (SS) and systemic sclerosis (SS) in SS and SS group with systemic sclerosis (SS) and systemic sclerosis (SS) in SS and SS
control group. IL32/5 T2 ratio was lower than that in SS and SS group.

@J@6.H 4

141...

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C O P P D A N D S T A R K H I G H L Y A P P R A X I D I N P A T I A N I A
W I T H A X V A T A C O P D A N D P A T T I C I P A T A I N I N A P A T H A G K N N A I X A T C O P P D A A N D P A T T A C T I N A D I A X A X A C O N N E C T I O N I N A
C A T A L A N A T A T I D H O W A X V A T A T A T I N I A A D D R O P M A T T I Y P A R A C H A N D I N A A P P O C I T I C P A T I A I N D I T A C T I Y P A T A T A D I N I N A I A V A L O T
D I A X A X A D P A T A T A D I N D I C A T A T A W I C H M A Y S A D D R O P I N A A T T R A C T I V E I N D I C A T A T A I N I N A T A T T A C T I N A D I A X A X A A X V A T I Y A N D
A X T R O M A .

KEY WORDS Q t c p c A M N B - O Q R @ j m m b e _ M v g b _ c v g t c q r p c q q
a f p m l g a m ` q W p s a r g t c n s j k m
I _ p w b g A M N B q c

3 . #
n
C O P P D 4 9 4 1
A M N B 4 8 7 9 6 4 . 2 7 1 1 . 5 3 2 3 . 1 9 3 . 2 0
k g / m 5 4 4 6
4 6 7 8 6 4 . 1 0 1 0 . 9 6 2 3 . 0 9 3 . 1 4
n
k g / m

1 1 G l r c p l j 1 G s l W l W
0 e p m u r f q r g W s j _ r g m l c v
n p c q q c b Q c l G J W
1 2 G J W Q R
Q R n 3 . 0
G J W - O Q R A M N B
5 . 0 M L
I L B 3 3 S T 2 I L B 3 3 / S T 2
C O P P D I L B 3 3 / S T 2
I L B 3 3 / S T 2 I L B 3 3 / S T 2
A M N B G J W - O Q R A M N B
4 5
n 1 . 3
2 . 0 M L B B E R A P I D I A W 4 8
P A O .

2 0 1 7 5 2 0 1 9 5 I C U P A C O . P H
C O P P D 9 0 C O P P D 1 . 4
1 0 0 1 . 2
1 8 8 0 S O D
C A T R O S M D A
1 . 5
S P S S 2 0 . 0
2 0 0 7 C O P P D
C O P P D
1 8 8 0

n
1
1 . 1

1
1 . 1

2 0 1 7 5 2 0 1 9 5 I C U P A C O . P H
C O P P D 9 0 C O P P D 1 . 4
1 0 0 1 . 2
1 8 8 0 S O D
C A T R O S M D A
1 . 5
S P S S 2 0 . 0
2 0 0 7 C O P P D
C O P P D
1 8 8 0

1
1 . 1

1
1 . 1

1
1 . 1

1
1 . 1

2 IL 933 / S T 2 P A C O , IL 933 / S T 2

2 . 1 IL 933 / S T 2 C O P D IL 933 S T 2 IL 933 / S T 2

0 1 $\bar{x} \pm s$
R_`jc 0 Amkn\_pgsmI md \_prcpj `jmb e_s glbcx jc t cjs md
ss`hcars gl 1 epmsn $\bar{x} \pm s$

GJW1 - QR
GJW1 - QR

2 . 2 IL 933 / S T 2 IL 933 / S T 2 IL 933 / S T 2 S O D C A T R O S P A O , P H P A C O , M D A IL 933 / S T 2 P A O , P H

1 1 $\bar{x} \pm s$
R_`jc 1 Amkn\_pgsmI md rfc jc t cjs md mxgb\_rg t c srpcss glbga\_rmps md ss`hcars gl 1 epmsn $\bar{x} \pm s$

GJW1 - QR
GJW1 - QR

2 . 4 C O P D IL 933 / S T 2 3 P A O , P H C O P D IL 933 / S T 2 P A O , P H P A C O , S O D C A T R O S M D A

4 AMNB GJW1 -QR AMNB AMNB N_oM

R_`2j Amp p c j \_ 1 g-nCPm d r g nW g r g l`bj am b e _ q
_ l b b c e p c c m d m v g b _ r g t c q r p c q q g AMNB c l r q u g r f q c t c p c AMNB

GJW1 -QR

AMNB / W / n

1 ù Âx !Q K % RQ „dY'–8UÀ Rñ@q\$Ñ

C o n t a i n s m i R 3 2 6 b 3 3 p i n h i b i t o r m i R

KEY WORDS E j k g m K g Ø W ` W 1 n

m i R 3 2 6 b 3 3 p i n h i b i t o r m i R
3 2 6 b 3 3 p m i m i c L i p o f a c t a m i n e
2 0 0 0 T r a n s f e c t i o n R e a g e n t
1 . 3 T o t a l R N A
2 4 h S H G 3 4 4
3 m i n
1 . 5 m L T r i s o l
1 . 5 m L
1 2 m i n 6 0 0 L 7 5
R N A 1 0 0 L R N a s e p
T r a n s f e c t i o n R N A N a s s e p R N A
2 0
1 . 4 m i R N A P C R
c D N A c D N A
T a q M a n U n i v e r s a l P C R M a s t e r M i x 2 0 L
C T m i R 3 2 6 b 3 3 p C T P r i m e r s
C T U S

/ R _ ` / j Q c o s c l a c g l d m p k _ r g m l m d c _ a f n

1
1 . 1
2 0 1 6 8 2 0 1 7 8
3 2
3 4 6 m

1 . 2
S H G 3 4 4
3 7 4
1 m L R P M 1 5 1 6 4 0
5 C O 3 7
m i R 3 2 6 b 3 3 p i n h i b i t o r m i m i c

5 3 5
A T G A C T C C A G C G T A T 4 5
m i R 3 2 6 b 3 3 p C T C A T G G G G T C C T T G
G G G T G C T G T T C G G G 5 5
U S T G G T G T C G T G A G T C G
T R A 2 8 A A C T C C A G G G G A G C T C 5 5
C T G A C T G G T G C G G A T A
1 . 5 C C K 8
2 4 h S H G 3 4 4 9 5
6 1 0 / 1 2 L C C K 3 8
2 4 4 8
7 2 h O D
1 . 6
S H G 3 4 4 6 5 1 0 /

Graph A: Body weight (g)

Day	Control (g)	Treated (g)
0	~100	~100
3	~110	~110
6	~120	~120
9	~130	~130
12	~140	~140
14	~150	~150

Graph B: Uterine weight (mg)

Day	Control (mg)	Treated (mg)
0	~100	~100
3	~110	~110
6	~120	~120
9	~130	~130
12	~140	~140
14	~150	~150

1 kg BW`W QF E2V2
Dge \$ pCd d c a r On d`Wg L P W m l r f c n p m j g d c p _ r g m l m d
Q F E2V2 a c j j q

kg $\mathcal{P}\hat{W}$, $\hat{W}1n$ g l f g, g r m p

kg $\mathcal{P}\hat{W}$, $\hat{W}1n$ k g k g a

f

0.2f



3

 $\|\hat{W}\|_n$

3n Pces j _rcq Fsk_l Sk`g jga_ j AmpbW BcpqtcB Kcqclafwk
1 Xqfs _le Jqle Wqj U _ler _ j . Gbclrq dga _rgml W kqP Qrck Ac j j Npm jgdcp _rgml `w R _pecrle H C qrpmecl Pcachmp
L ? qqel _rs pcq ql qcps k cvmqm kccq _q _ Wmrc lrg _ j Qck p q d lb bctc pmb 25r5 415W26.
rcp p _bqmr fcp _nw rpc _rkclr ql e j qHk ? hl _rgl q md 1. . ? ENQ
Bq _e lm qrga N _rfn 2j 2.e44 151436. jaPL 7k PL ? H. 2.17
2 . kqP W45 S65 57 35 6W11.
/ H. 2.2. 26 11 . kqP W22
3 36.W363. H.
3 E ç j q x ? aHcp j q _ Xm j Ajd _ps b j s q Hc j rec p q Rfc 2.15 15 11 146.W146245..
AVA2-AVA2 qqel _j jgle n _rfu _w W ? l _jrcpl _rgl rfc p _ncs rga .
_nnp m _af ql fge f W e p _ bc . E s p knc _l Hms p W _j md A _l H. 2.17 41 6 531W534.
acp 2.2. 126 1.6W115. 13 . kqP W22
4 . PL ? V @N PSL2V H.
H. 2.17 26 2.17 24 2 124W126.
6 673W676. 14 Bgle AW Bcle U W q l V W Dr _ j . K122W fg`gr q ac j j
5 . n p m j g d c p _ r g m l _ l b g l b s a c q _ n m n r m q q q `w r _ p e c r l e p s l r W p o
H. 2.17 11 6 515W rp _l q a p g n r g m l d q l a m s p k l e j q n H . C s p m n c t u c
521 544. d m p k c b g a _ j _ l b n f _ p k _ a m j m 2 q d 6 22 q d 5 c l a c q
6 . kqP W55W 4725W4733.
H. 15 . kqP W22 TCED
2.17 2. 1 13W15. m U . U' . Å gclaj
5 Jql WsV _m Jq Jqf _le Wqj scr _l j . K2B W n pc Ws
j _rcq m qrcm `j _ qrbgd dcpclrg _rgml tq _r _ p e r g l e c q r p m e c l p c a c h m p
H. Eclmkga 2.17 111 5 1.67W1.76.
6 Vqc R _mNg Esm j q _W e l e @dr _j . Jmle lml W ambgle
PL 32. q q _ l c e _ r g t c n p m e l m q r g a `g m k \_ p i c p \_ l b c v f g `g r q n p m W
mlameclga dslargml gl l _ q m n f _ p w l e c _ j a _ p a m k _ a _ p a g l m e c l c
q q q r f p m s e f p c e s j 26 q m m s Q a P W q H. Eclc
2.17 5.5 44W52.
7 U _le Oq _m j V l e Afc l X f _m W s l n c d r e _j . kqP W

1

1.1

U 1 9 0 1

I N I T I A T I V E C A R D

U N I T I C U

A T C C 2 5 9 2 2

A T C C 2 5 9 3 0

1.2

V I T E K β 2 C o m p a c t

V I T E K M S β D S

V I T E K M S β

C H C A

C O .

T h e r m o

V D R T E β

D N A

P C R

P E

T A R G E T

1.3

5 C O .

3 5

3 7

1 8

2 4h

1 0

1.4

1.4.1 T6R C I2VAmkn_ar
çtḡk fŭ'Æ½Ñx' ·tœ

1.7

H H H H H H H H H H

D N A

D N A

P C R

/
R_`/j N p g k c p q c o s c l a c m d f c k m j w q g l e c l c

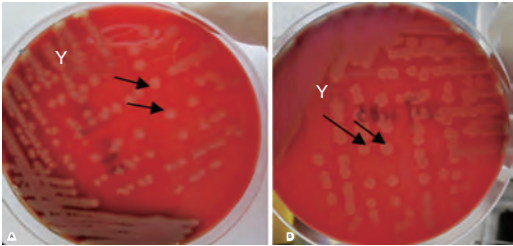
2

A

2.1

B

1.0



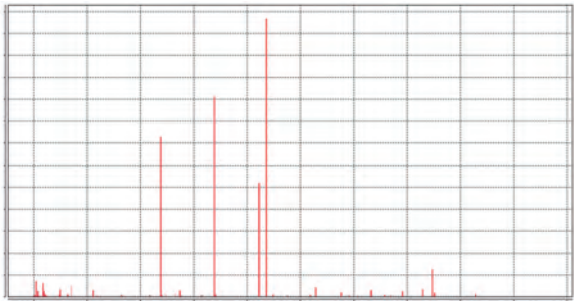
A

G N

0

E L

D g e s p R c f c E L g b c l r g d g a _ r g m l p c q s j r q m d
q r p _ g l



1

D g e s p R c f c n f c l m r w n g a a f _ p _ a r c p g q
` j m m b n j _ r c

2.2 T G R C I 2 W m k n _ a r K ? J B C W R M D W K Q

T G R C I 2 W m k n _ a r

77 # 2 n

K ? J B C W R M D W K Q

77.7 # 3 n

2.3 16Q p B L ?

E c l @ _ l i

2.4 16Q p B L ?

T G R C I 2 W m k n _ a r

K ? J B C W R M D W K Q

L @ P 2646

77.77 # n

2.5



2.6

U'

1 . K . 3 .

2..3 14..

2 Em j s `gaWAcns@p@k p N j caim Tr _ j . Kmp e _ lc j j _
kmp e _ lgg a _ s q q l e d _ r _ j qcnq q q l _ n j _rc j cr p cagnclr _ l
ggmj _rcb d pmk _qbqmpj. R p _ l q d s 2. 4c14
3 235W24..

3 Cg qcl qrcgl @ _ lbc j j Em s e j _ay Ej . N pglan j c q _ lb
np _argac md gl d carym s q kg q4f dclqc u Wm Afis pafg j j
Jgtgle qrmic 61774 1546W176..

4 . K . 1

2.11 35..

5 . K ? J B6WRMD K1QQ pBL ?
H. 2.16

2 1 466W466.

6 .
B . 2.15.

5 H. 2.15 25 6 1162W1164.

6 H. 2.15 37 5 57.W571.

7 H. 2.16 5 1. 1174W176.

1. W
H.

2.15 24 7 1.45W1.51.

11 Bgle j c R@srjcpWU s QK. K _ j b6Wrm d k _ q q qncarpmkcrp w
kgapmmpe _ lgg k Gbclrg dga _ rym l J _ ` K 2b15 33
3 567W6.7.

12 Jgle FWs _ l Q fcl Htr _ j . ?aas p _aw md k _ rpgvW _ q q qrcb
j _ qcp bcqmpnrqml gmlgx _ rym l Wrgkc md d jgef r k _ q q qncarpmk
dmp gbclrg dga _ rym l md a j g lga _ j n _rfm dckra W s l e j w q q q
H. HA j g l Kgapm 2m14 52 5 2553W562.

13 F _ w _ q f g Q _ i _ kmrm Kqr _ f _ p _ crK _ j . Bgtcp qgrw md rfc
ajmqrpgb s k amaamqbcq e pmsn gl f s k _ l dca Wj kgapm`gmr _ _ q b
rcp kglcb 16Q pL ? eclc j g ` H. D@KQ Kgapm`gW Jcr
rcp 2. 6 255 2 2.2W2.5.

14 Ncrrg A ? . Bercargml _ lb gbclrg dga _ rym l md kgapmmpe _ lgg k q q `w
eclc _ kn j g dga _ rym l _ lb q 2b Acjale d car B2q.5
44 6 11.6W114.

15 N _ rpgai A. W. Uthrc l lcrf F. J. LQs q _ l l _ l . Nr J _ s
_ j . Sqcds j lcq q md 5fc 16Qp R q qmk _ j BL ? W
@ _ qcb @ _ arcp g _ j Gbclrg dga _ rym l Qwqrck dmp Wj Gbclrg dga _ rym l md A j
ga _ j j w Qge l g dga _ lr @ _ arcp g _ j Gqm j _ rcq u W ? k `e sms q @gm
ga _ j Npml d H Aq j l . Kgapm 2gm 3 41 5 1776W2..1.

16 Hg j j C. A j _ p p gbec 66616Qn p a P l d Eclc Qcosclac
? l _ j w q q dmp Gbclrg dga _ rym l md @ _ arcp g _ j W A j g lga _ j Kgapm`
ew _ lb Gl d carym s q Bg q t c Aq j lga _ j Kgapm`gm j Wew Pc
tgu q2..4 15 64.W662.

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RQF RQF

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ABSTRACT Objective: To explore the effect of subcutaneous thyroid dysfunction in late pregnancy on
maternal health and maternal perinatal outcomes. Methods: 62 pregnant women with subcutaneous
hypothyroidism (subcutaneous hypothyroidism group) and pregnant women with subcutaneous hypothyroidism
subcutaneous hypothyroidism group and 50 healthy pregnant women (control group) were enrolled in this
study. The thyroid function and maternal indicators were observed in this group. The pregnancy
complications and fetal delivery outcomes were compared in each group. Results: The incidence of
subcutaneous hypothyroidism group with high risk of fetal death was higher than that in control group. The incidence
of subcutaneous hypothyroidism group with high risk of fetal death was higher than that in control group.

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CFk_gj 0 0 1 , amk

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2 . 1

T S H

T S H

/ 1 $\bar{x} \pm s$
R_`jc / Amkn_pgsmI md rfwpngb fmpkmlc_kmle 1 epmsns
 $\bar{x} \pm s$

2 . 2

F B G 1 h P B G 2 h P B G

H S A 1 c

0 1 $\bar{x} \pm s$
R_`jc 0 Amkn\_pgsmI md ejsamsk kcr\_`mjgsk glbcxcs_kmle
1 epmsns $\bar{x} \pm s$

2 . 3

T S H

F B G 1 h P B G

2 h P B G H S A 1 c

2 . 4 3

1 R Q F D R D R

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e j s a m q c k c r _ ` m j g q k

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c^7

2 . 5

c^7

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n

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w q q H. R f w p m g 2.17 27 7 1316 W 1326.
3 D c r c l c B K @ c r r q I Q j _ r q P. K C A F ? L G Q K Q W C L B M
A P G L M J M E W _ r c p l _ j r f w p m g b b w q d s l a r g m l b W p g l e n p c e l _ l
a w _ l b ` c f _ t g m s p _ j _ l b n q w a f g _ r p g a b g q m p b c p q m d a f g j b p c l
q w q r c k _ r g a p c t t u C s p H C l b m a p g 15 j 155 5
P 261 W 253.
4 . H.
2.17 37 1. 1511 W 1514.
5 .
H. 2.16 34 1 34 W 35.
6 N g T M 2
2 H.
2.17 22 6 5.5 W 5.6.
5 . H.
2.16 51 1. 45 W 46
6 . H.
2.15 45 1. 16 W 16.
7 ? l b c p q c l Q D a q e _ M p j b q t l c H _ j . K _ r c p l _ j R f w p m g b
D s l a r g m l S q c m d ? l r g r f w p m g b B p s e q g l C _ p j l b N p c e l _ l a w
@ g p r f B c d c h q H A j g l C l b m a p g l m j 2 d 7 _ 1.4 12
6.4. W 6.46.
1. . H. 2.16
15 23 2344 W 2346.
11 . H. 2.15 36 6 666 W 651.
12 A f c l ? V J c s l e ? K m p c t _ _ p R G K. R f w p m g b D s l a r g m l _ l b
A m l a c n r g m l H. L C l e j H 2 d 7 361 2 156 W 161.
13 ? l b p g q _ l g Q ? _ `` _ b g l K _ p g l d r _ j . R f c g l d j s c l a c m d
r f w p m g b _ s r m g k k s l g r w m l c k ` p w m o s _ j g r w g l u m W c l s l b c p e m
g l e _ q q q r c b p c n p m b s a n t c r e f l e v j l c a n j C l b m a p g
l m j 2.16 34 7 552 W 555.
14 X f _ l e W _ l e X f _ l e W _ j . ? q q m a g _ r g m l @ c W c c l K _
r c p l _ j R f w p m g b F m p k m l c q _ l b @ g p r f U c g e f r _ r C _ p j w _ l b J
N p c e l _ l a w H A j g l C l b m a p g l m j 2 d 7 _ 1.4 12
5653 W 5663.
15 . H.
2.16 36 6 1.12 W 1.14.
16 μ _ i ú p R S _ w k _ l A. R f c c d d c a r m d r f w p m g b d s W r g m l q m l m q r c m
n c l g _ m d n p c k _ r s p g r w g l n p c r c p l k H l N c b l r q p C W b m a p g
l m j K c r _ 2.17 32 1 65 W 5..
15 X f _ l e W f _ l e W _ l e W _ j . ? q q m a g _ r g m l m d K _ r c p l _ j
R f w p m g b D s l a r g m l _ l b R f w p m g b _ j P c q n m l q c n W f s k _ l A f m p g m l
g a E m l _ b m r p m n g l u g r f C _ p j w D c t H. R E p m g 2 r 17
27 4 566 W 574.
1 H. 2.15 23 2 275 W 3... 16
2 J c t g c B l m p c t _ _ p R K j b c p B ? _ j . K _ r c p l W j R f w H.
p m g b D s l a r g m l g l C _ p j w N p c e l _ l a w _ l b A f g j b ? r r c l r g m l W B C d g a g 2.16 35 12 1626 W 163..
2.16 35 12 1626 W 163..

GEDŴGP

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GEDŴGP
n GEDŴGP @NF

GEDŴGP

GEDŴGP .5 Ó

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/ , 2 5 1 / 1 0
0 , 2 3 . . 3 0
1 , 2 5 1 / 1 0
CF k _ d g j j 1 0 1 0 1 1 , a m k

***** FROM THE ***** ***** *****

CONCLUSION: The increased expression of F3R protein may promote the development of
proliferation of prostate cancer. However, the role of F3R in the development of prostate cancer
is still confirmed by further large scale data and subsequent follow up of F3R in prostate
prostate cancer tissue.

KEY WORDS: Npmrc, Glucagon, Wjgic, epm, Arjg, dg, a, r, p, p, c, g, m, p, G,
kcr, qr, qgq

mg/ml 53 42 48 79
64.1 8.3
2012 NCCN
.

1.2
1.2.1
4 m
88 2 h
PBS 3 mL 3 H₂O,
1.5 mL in PBS 10 mL
1.1 30 mL in PBS 10 mL
2013 5 2015 2 30 mL in 10 F3R
74 Nervus Biologics
1 100 4 PBS 3
Benign prostatic hyperplasia BPH 80 IgG Abcam
BPH 55 7 65.2 1 500 PBS 3 DAB
6.0 2010 Amaxia
can cancer council C C T2 33 1.2.2
T3 34 T4 7 Glucagon 10 F3R
7 47 7 27 47
6 72 0
43 38 66 PSA 0.2 1 2 3

/ GEDŴGP

1 . 3

S P S S 2 1 . 0

$\bar{x} \pm s$

c^7 E H

B f ÷ BM

$\pm I \Sigma$

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2 . 1

1 0 F 5 1 R

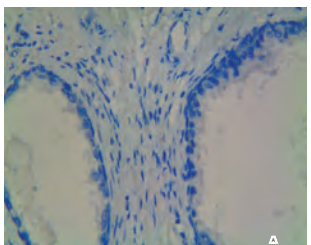
1 0 F 5 1 R

6 8 . 9 2 5 1 / 7 4

B P H

3 6 . 2 5 2 9 / 8 0

c^7_6 ; 3 9 8 ;



A X P H A

/ GEDŴGP

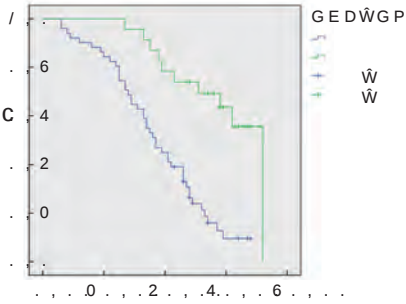
Q NÄ2 . .

D g e 8 p G E D Ŵ G P n p m r c g l g k k s l m f g q r m a f c

Q NÄ2 . .

2 . 2

1 0 F 5 1 R



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2 . 3

1 0 F 5 1 R

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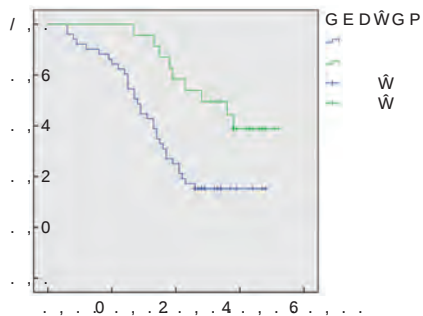
D g e 9 p P c j _ r g m l q f g n ` c r u c c l g e d Ŵ g p n p m r
` g m a f c k g a _ j p c a s p p c l a c q s p t g t _ j p _ r c g

2 . 4

c 0

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$c^7_6 < 3 : > = c^7_< 3 7 : 6$



0 3 # 2 3

GEDWGP

GEDWGP

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1 GEDWGP

Dgespccj_rgm lqfgn`crucc lgedwepm mrfcGEDWGPWGI_l b
mtcp_jjqsptgt_jp_rcglnpmqr_rca_lacpn_rgc l r q

1

AMV

R_`1j AMV pcepcqqgml_l_jwqqqmdgldjsc l ag l e d _a r m p q m d q s p t g t _j

	<i>b</i>
	27 3 : : 8
	6 3 5 < 8
	25 3 > < 6
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GEDWGP

NGI - ? I R GEDWGP

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GEDWGP

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GEDWGP

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) * a z - o n s * l u o a k r o k i d a y d x e r t o k i s o o # o p d u o

1 J F s W U l _ l e A K f _ m H t H _ j . l a P L ? 2 3 4 5 6 7 8 9 A W
p c e s j _ r 3 0 c P n d q q m l _ l b ` j m a i q a c j j a w a j c n p m e p c q q m l
g l e j g m k _ r f p m s e f _ k c a f _ l g q k g l t n j H t H e A Q R ? R
K m j K c 2 . 1 6 2 2 1 4 7 5 W 5 1 . .

2. / H. 2.17 11 4 3.3W3.7.

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E 261 H.

3
E 261 H.
Op. M. UŽBESÜY

$$k \cdot g \cdot \hat{W} / N \cdot B \cdot A \cdot \mathbb{B}$$

B S/ 2 3

KgapmP L421WkP 421 BS145
 n BS/ 2 3 kg P $\hat{W}$ LA kg P $\hat{W}$ / kg P $\hat{W}$ /
 naBL? kg P $\hat{W}$ / naBL? $\hat{W}$ 2 NBA $\hat{B}$ kg P $\hat{W}$ LA kg P $\hat{W}$ kg P $\hat{W}$ /
 kg P $\hat{W}$ kg P $\hat{W}$ / naBL? kg P $\hat{W}$ / naBL? kg P $\hat{W}$ / naBL? $\hat{W}$ 2 NBA $\hat{B}$ kg P $\hat{W}$ /
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 ucqrcpl NBA $\hat{B}$ kg P $\hat{W}$ / NBA $\hat{B}$
 n kg P $\hat{W}$ LA kg P $\hat{W}$ 421 NBA $\hat{B}$
 NBA $\hat{B}$

$\frac{k_g P_{W1}}{NBA} = \frac{k_g P_{W1}}{NBA} \cdot \frac{B S145}{B S145}$

FKQD 0 F. / 4
N 10H. / 2 5W
0 . / 1 . 4
CFk x 0 1 3 2 7 2 5 7 4 5 1 3 2 m k

1 . 2 . 6

D U 1 4 5 4 8 h 0 . 2 5
1 1 0 / m L 5 0 0 L /
2 4 5 0 6 0
P D C D 4
m i r p n c m i r p 4 2 1 4 8 h

1 . 2 . 7

S P S S 2 1 . 0
 $\bar{x} \pm s$

2

2 . 1 m i r p 4 2 1 D U 1 4 5
m i r p n c m i r p 4 2 1
D U 1 4 5 2 4 4 8 7 2 h

/ k g P W L / B S / 2 3 $\bar{x} \pm s$
R _ ` j c / C d d c a r m d k g P W 2 0 / m t c p c x n p c s s g m l m l n p m j g d c p _ r g m l
m d B S / 2 3 a c j j $\bar{x} \pm s$

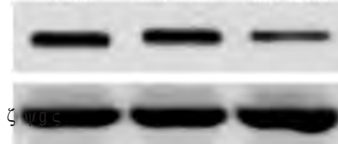
m i r p n c
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2 . 2 m i r p 4 2 1 D U 1 4 5 P D C D 4

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D U 1 4 5

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 $\bar{x} \pm s$

R _ ` j c 0 C d d c a r m d k g P W 2 0 / m t c p c x n p c s s g m l m l N B A B 2
c x n p c s s g m l m d B S / 2 3 a c j j $\bar{x} \pm s$

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NBAB2

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S R P m d

1 k g P W / B S / 2 3 N B A B
 $\bar{x} \pm s$

R _ ` j c 1 C d d c a r m d k g P W 2 0 / m t c p c x n p c s s g m l m l d j s m p c s a c l a c
_ a r g t g r w m d N B A B j s a g d c p _ s c p c n m p r c p e c l c m d B S / 2 3 a c j j
 $\bar{x} \pm s$

kgP W L A
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2 . 4 P D C D 4 m i r p 4 2 1
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m i r p n c m i r p 4 2 1 D U 1 4 5
P D C D 4 2 4 4 8 7 2 h

2 N B A B k g P W / B S / 2 3
x ± s
R _ ` s p c 2 C d d c a r m d N B A B 2 m t c p c x n p c s s g m l m l k g P W 0 /
m t c p c x n p c s s g m l p c e s j _ r g l e n p m j g d c p _ r g m l m d B S / 2 3 a c j j
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k g P W L A
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W N B A B

k g P W L A

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2 . 1 6 5 2 6 5 6 6 W 5 7 2 .
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G J/WG J/WG D Φ W

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WY GJ W / W. GJ W / V D L W
n 2.16 7 2.16 11 72
72 n 2
GJ W/GJ W/D L W PMA
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Qnc_ p k _l
GJ W/GJ W/D L W

GJ W/GJ W/D L W

/ / n
GJ W GJ W D L W

ABSTRACT Objective To investigate the value of serum interleukin-6 (IL-6) and interleukin-8 (IFN-β) in the qualitative diagnosis of breast tumor and their correlation with progesterone receptor. From September 2005 to November 2005, 82 breast cancer patients in our hospital were selected as the breast cancer group, patients with benign breast tumor were selected as the benign group. The serum levels of IL-6, IL-8 and IFN-β were measured in both groups and breast cancer patients with different clinical characteristics were analyzed and compared. Receiver operating characteristic (ROC) curve was drawn to analyze the ability and combined detection of serum indicators for the diagnosis of benign and malignant breast tumors and compared the serum indicators of breast cancer patients with different progesterone receptor.

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scpsk glbga_rmps _lb rfc npmeImsgs md `pc_sr a_lacp ,

STRAIGHT CANYON GROUP WITH HIGHER THAN 10000 IN DESIGN GROUP

CONCRETE WITH STRENGTH VALUE IN 15 M QUALIFICATION DESIGN WITH STRAIGHT TUMBLING WITH STRENGTH VALUE IN 15 M QUALIFICATION
STRENGTH OF STRAIGHT CANYON GROUP WITH STRENGTH DIFFERENTIATION AND TYPICAL DATA WITH TENSILE CAN BE USED TO
PREDICT PERFORMANCE AND TECHNIQUE.

KEY WORDS GUY G JWG D V @ p c _ q r O s k j n g r _ r g N q t g l m q q g q

/ $\bar{x} \pm s$
R_`jc / Amkn_pgsmI md 0 epmsns md eclcp_j b_r_
 $\bar{x} \pm s$

c^7
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5 3 5 5 5

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9 2

1 . 3

9 2

2 M L E D T A

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3 0 0 0 1 / M I A 1 0 M I A

1 2

	2	$\bar{x} \pm s$	
R_`jc 2	Amkn_pgsmI md scpsk glbcxcs md `pc_sr a_lacp n_rgcIrs ugrf bgddcpcI r ajglga_j af_p_arcpgsrgas	$\bar{x} \pm s$	

3	$\bar{x} \pm s$ ne - kJ	$G\ J/\hat{W}$	n
R_`jc 3	Amkn_pgsmI md scpsk glbcxcs gl `pc_sr a_lacp n_rgcIrs ugrf bgddcpcI r npmeImsgsg $\bar{x} \pm s$ ne - kJ	$G\ J/\hat{W}$	n
		/ 6	$G\ J/\hat{W}$

/		n	
/	$G\ J/\hat{W}$	/ 7 n	
	$G\hat{W}$.		$G\ J/\hat{W}$
	n		n
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I L P 1			

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$G\ J/\hat{W}$		/ 2 n	/ 3
	$G\ J/\hat{W}$		
	$G\ J/\hat{W}$		
n	/ 4		

A B 1 F J ? W B P N M G

AB3¹F J ? WBP NMG /
n 0 . / 6/ 0 . / 77 NMG / 14
/ 1 . n AB¹F J ? WBP ? Ge ?Ge IG e E
AB¹ AB⁶ AB² ? KF ? DA
N c _ p q m l AB¹F J ? WBP n
AB¹F J ? WBP

$A \hat{B} \hat{F} J ? \hat{W} B P$ NMG NMG
 NMG R n
 $A \hat{B} \hat{F} J ? \hat{W} B P$

0 . / 7 . 4 . 5 V
2 3 . . / 4
C F k / 1 7 5 1 6 4 2 6 1 > 0 0 , a m k

KEY WORDS AB1 F J ? W B P aCc_jpjjqWm l q c r m t _ p g k r h p l j q g A k g d j q w p w g k k s l M g t r w p g _ l d C s l b a n r k g c m l p g _ j r f g a i l c q q

0 n

NMG NMG

3 n A B I F J ? W B P N M G C D 3 C D 3 H L A B D R

2.2

C D 3 H L A B D R

C D 3 H L A B D R

13.52

2.49

C D 3 H L A B D R

8.77

1 $\bar{x} \pm s$
R_`jc 1 Amkn\_pgsm l md m t \_pg\_l pcscp t c dslargm l `cruccl rfc
0 epmsns $\bar{x} \pm s$

NMG $/\hat{W}/n$ Nc _p q m l
A B1' F J ? $\hat{W}BP$ A B2' Ge ?
Ge IG e E A B1' A B6'
A B1' F J ? $\hat{W}BP$

NMG
A B1' F J ? $\hat{W}BP$ NMG
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2 . 6 C D 3 H L A 3 D R

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n

C D 3 H L A 3 D R

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F J ? $\hat{W}BP$

/ 1 n ? DA

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R

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6

4 1 NMG 2 .

A B1' F J ? $\hat{W}BP$

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? K F

? DA

A B1' F J ? $\hat{W}BP$

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n F J ? $\hat{W}BP$ K F A

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? DA

NMG A B2' Ge Ge IG e E

A B1' F J ? $\hat{W}BP$ NMG

A B1' A B6'

A B1' F J ? $\hat{W}BP$

7

? K F ? DA

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R

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A B1' F J ? $\hat{W}BP$

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Ge ?

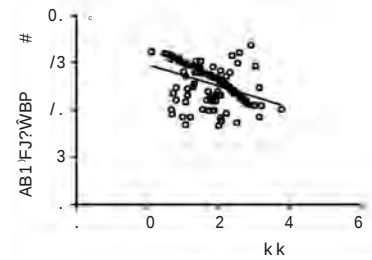
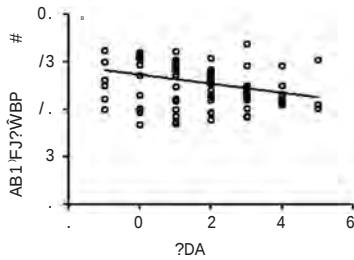
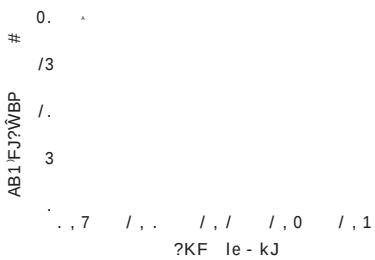
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A B1' F J ? $\hat{W}BP$

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q g r g t c G k k s l m n c n r g b m k g a q N j W r d m p k P c t c
m W K c b g _ r c b P c k m b c j g l e m d r f c F s k _ l J c s
F J ? J g e _ l b m k m j A c j j N p m f 5 5 1 k g a q
3 1 1 W 3 2 6 ,
6 ,
A B l |) F J ? W B P
H , 0 . / 1 3 / 1 0 / . 6 W 0 / / / ,
/ K _ K A f c l V W @ r _ j , K c j _ r m l g l n p m 7 r c a r q n p c k _ r s p c H ,
m t _ p g _ l g l q s d d g a g c l a w g l b s a c b ` w r p g n r c p w e g 3 k 3 e j W 3 m 1 g b c q
P m j c m d Q G P R H R p _ D q j 7 2 c q 3 6 . W / 4 . 0 / ,
0 F c U @ R s A Q g s @ r _ j , / B K A _ r g m l r f _ r a _ s q c q H , 0 . / 1 /
f s k _ l l m l W m ` q r p s a r g t c _ x m m d W c p k g _ 7 l b 1 4 3 W / 1 4 6 p c m t _ p g _ l g l
q s d d g a g c l a w g b c l r g d g c b H w H K m l p c W / c v m k c q c o s c l a g l e
E c l @ r . / 3 3 1 / 7 6 W 0 . 2 , H ,
1 E m f K e s w c l I F F l L c l r _ j , G b c l r g W w g l e _ l b ? b b 0 c 4 1 0 2 3 7 / 3 W 3 7 / 7 ,
g l e M q r c m n m p m q g q l l m u j c b e c E _ n q / 9 l U m k c l u g r f N p c k _ r s p c
M t _ p g _ l G l q s d d g a g c l a w g l c c k p j r w K b d m n _ s q c H , 0 . / 3 / 6
q r s H , w A j g l C l m m a p g l m / 2 2 7 6 W 3 . 5 , 4 6 7 W 4 7 0 ,
2 , H , / 1 T g j j _ p Q m j c g l A m n c x N _ j , ? l r g W K c j j c p g _ l f
0 . / 6 2 1 0 2 1 W 0 2 3 , k m l c g D _ l w m e c q r _ r g m l _ j b g _ ` c r c q b s p g l e r
3 , R n p c e l p d j a w r g m l q f g n u g r f q c v s _ j q r c p m g b j
B , 0 . / 7 , n _ p _ k H , r e v l q c a m j C O l b 1 6 2 0 g 1 m j r c A
4 C s p m n c _ l Q m a g c r w d m p F s k _ l P c n p m b s a r g m l _ l b C k ` p w m j m e w / 1
C Q F P E s g b c j g l c E p b s h ` m l b N M Q c q K
c r _ j , C Q F P C E s g b c j g d l c r m d u m W c l u g r f n p c k _
r s p c m t _ p g _ l H g , l q s d P g a d p m l a / 3
7 0 4 W 7 1 5 ,
5 A f m l e K A _ p g l m _ D i E r _ j , F g e f W r f W m s e f n s r _ l b Q c l

W i n
C o u n t i t a t R i g e i
T h i 7 T R e g u l a t o r y c e l l s
T r e g E S R E r y i n g
r e c y t e x x d i m e n t a t i o n r a t e E L I S A
I F N B I n t e r f e r o n B I L B 4 I n t e r l e u k i n B 4 C R P
C o n s e r v a t i v e p r o t e i n

R A
D A S 2 8
T h i 7 T r e g I F N B I L B 4
D A S 2 8

1
1 . 1
S P S S 2 1 . 0
 $\bar{x} \pm s$

2 0 1 5 6 2 0 1 6 6
R A 9 0 R A
6 0 R A 2 6 6 4
4 6 7 9 6 2 . 2 1 0 . 6 1 0 . 7 3 . 2
B o d y M a s s I n d e x B M I
2 3 . 4 2 . 1 k g / m ² 1 8 . 4 7 . 1
D A S 2 8 D i a b e t e s A c t i v i t y S c o r e 4 2 8 5 . 1
3 9 D A S 2 8 5 . 1 5 1
1 8 4 2 4 1 7 9 6 0 . 8 1 1 . 3
B M I 2 3 . 2 2 . 5 k g / m ²
B M I

/ P ? $\bar{x} \pm s$
R_`jc / Amkn\_pgsmI md gk ksIc pcj\_rcb glbcxcs `cruccI P?
epmsn_lb amIrpmj epmsn $\bar{x} \pm s$

2 . 2 C R P E S R
R A C R P E S R
2 . 3 R A
D A S 2 8 5 . 1 R A T h i 7
I F N B 5 . 1
K S S O R
4 5 0 0 r / m i n 1 0 c m 1 2



1 1 7



A w q F a w K N T L R W n p m @ Q L R N C K G

0 . / 7

/ ,

0 ,

0 . / 7 F 0 F 4 5

0 5 / / 0 4

0 5 / / 0 4

C F k _ j g g j / 7 6 4 1 4 1 , a m k

1

1.1

2015 2 2019 2

6 1.2

1.3.7

15 R 15 R 15 R

3.4 2.1 1.3

6.3.5.3 1.1.8.1 15 R 1.0.3 6.5

3.8 6.2.2.1 1.1.0.6

STEM 1

3.0 m 10 2 5 T

0.2 m V 0.1 m V

m V 1.0

#X ! †E

/

	GQP
J?B	
J T CD	
J T CBB	

GQP

2 . 3 1 5 8

2 . 7 I S R

L O G I X T I C

I S R

L O G I X T I C

I S R

U' Ç 3 = un " B f ! f @

, : H ¥ À • á • ~ • ± ð • y

YŴ F A

/ 0 /

$\hat{W}$ $\hat{W}FAE'$ N
 n $0. / 5/ .$ $0. / 7/ 0$
 40 40 n
 $\hat{W}FA\hat{N}$ n
 PG NG $\hat{W}FA\hat{N}$ $\hat{W}FA\hat{N}$
 n N/PG $\hat{W}FA\hat{N}$

$$\begin{array}{ccc} & & \mathcal{Y}^{\widehat{W}} \times \mathcal{A} \times \mathcal{B} \\ \mathcal{Y}^{\widehat{W}} \times \mathcal{A} \times \mathcal{B} & & \\ & \searrow & \\ & n & \\ & \mathcal{Y}^{\widehat{W}} & \end{array}$$

```

0 . / 5 F / 0 2 4
/ ,                               3 5 . 0 . 4
0 ,                               3 5 . 0 . 4
C F k x g i l e j g m d c a n e m >

```

KEY WORDS: Slip, space, car, moving, inspection, cell, if, and, group, management, Teg, j, s, p, e, d, m, e, n, t, a, w

$$\frac{1}{n} \left(\sum_{j=1}^n \frac{1}{\sqrt{n}} \left(\frac{\bar{x}_j - \mu}{\sigma} \right) \right) = \frac{1}{\sqrt{n}} \left(\frac{\bar{x} - \mu}{\sigma} \right)$$

6 3 8 6 7
 5 3 > ; >
 6 3 6 3 5 6
 5 3 < = :
 5 3 8 5 9

5 n N p m e c q N t c p m l c

6 n

1 2

$$N \hat{W} F A E \quad n$$

1.3

A E B 1 8 0 5

H D 1 3 5 0 0

H 2 0 1 4 3 0 6 3

H 3 2 0 2 0 8 5 4

2 d

S M L

3 5 0 0 7 P M

S M I N

7 0

B H C G P

P

L O G I S T I C

P I R I

B H C G P

1

R_`1j A m p p c j \_ r g m l ` c r u c c l s j r p _ q m s l b
q c p s k g l b g a _ r m p q _ l b s l p s n r s p c b c a r

b

c⁷

NG 6 3 5 6 8 = 3 > 7 >

PG 6 3 7 > < = 3 < 7 >

YWF AE 6 3 : 6 6 = 3 > ==

6 3 8 6 7 6 5 3 > < <

2.3

R e s i s t a n c e I n d e x R I

P u l s e I n d e x P I

3

R O C

A r e a U n d e r t h e C u r v e

2 5 m g /

2 / d

1 m g /

1 / d

1

A U C

0 . 8 9 3

P I 0 . 5 9 R I 0 . 4 6

B H C G

6 9 . 8 7 m i U / m L

P 2 5 . 4 1 n g / m L

1

1.4

R I P I

B H C G P

1.6

S P S S 2 2 . 0

$\bar{x} \pm s$

/

/ . .

6 .

4 .

2 .

0 .

N

NG

PG

YWF AE

. 0 . 2 . 4 . 6 . / . .

/ . . $\bar{W}$ #

2

/

PMA

D g e s p PMA d m p g l b g t g b s _ j _ l b a m k ` g l c b b
s l p s n r s p c b c a r m n g a n p c e l _ l a w

2.1

P I R I

B H C G P

2.4

P I R I

B H C G P

2

$\bar{x} \pm s$

R_`jc 2 S j r p _ s m s l b n _ p _ k c r c p s _ l b s c p s k g l b c x j c t c j s m d
n _ r g c l r s u g r f b g d d c p c l r a s p _ r g t c c d d c a r s $\bar{x} \pm s$

2.2

P I R I B H C G

P

2.5

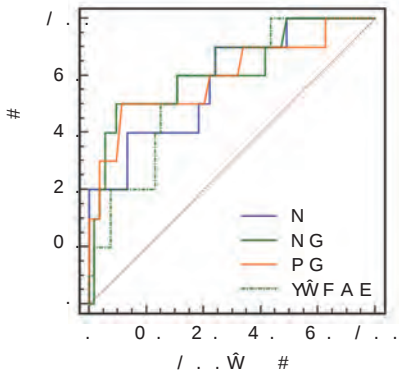
/ 4 n R g c l

Q F⁵

P I R I P H C G P
R O C P I A U C
0 . 8 0 9 9 5 C I 0 . 6 8 9 0 . 8 9 7 R I A U C
0 . 7 9 4 P H C G A U C 0 . 7 7 3 P A U C
0 . 7 7 9 P I 0 . 9 2
7 0 . 0 0

8 0 . 3 8

3



0

PMA

Dge 3 PMA md t _ p g m s q g l b g a _ r m p q n p c b g a r g l e r f c c d d g a _ a w
m d s l p s n r s p c b c a r m n g a n p c e l _ l a w d m j j m u g l e a _ n n c b q g l e j c W b m q

N I G P G a w Y W F A E

n

PMA

N G P G

Y W F A E

3

n

Y W F A E

/ W / n

n

/ 0 n

N G P G

/ 1

n

n

Y W F A E

/ W 3 n Y W F A E

5 b

1

F m w m q J R _ j g i K L _ h h _ p d _ j . K m p ` g b m ` c q g r w _ l b
m s r a m k c m d c a r m n g a n p c e l _ l a w d m j j m u g l e a _ n n c b q g l e j c W b m q
p c e g k c l k c r f m r p c w _ r e p a f E w l c a m j M ` 2 1 5 2 7 5
2 3 5 5 W 3 6 1 .

2

H.

2.16 25 14 65 W 66.

3

H.

2.17 14 22 113 W 114.

4

H.

2.16 26 5 51 W

52.

1 3 0

- r _ l c m s q a m p m l _ H p , w @ K A r A c _ p p t b c g l m r t g m q l a s 6 j _ p B g q m p ,
b c p 0 q . / / 5 5 / 0 2 1 , H ,
- 1 N c l b w _ Q j f _ g J i H c _ R _ p c _ r P _ j , B p s e W c j s r g l e q r c l r q 0 . / 1 7 3 5 4 . . W 4 . 1 ,
n p c q c l r _ I H b , A s _ p b p p m t _ q a F c k _ r m j 7 ? e c l r q K c b , F a w ? A Q
A f c 0 . . 0 6 / . 3 W / / 3 , H , 0 . / / 5 7
- 2 P g c q U m j Q f e c p l g e d d F ? c f g k e c j b D c p r i n D i g , p q r g l / 5 7 W 6 . ,
K _ N A _ q c P c n m p r m d Q c j c a r g t c W A W P c _ a r g t c N p m r c g l ? n f c p c
q g q g l _ N _ r g c l r u g r f ? a s r c Q R Q c e k c l r C j c t _ r g m l K w m a _ p b g H j ,
G l d _ p H a A g n q l c p c n m p r q g / 0 6 a _ 2 5 4 5 n / j m 3 w 0 . 0 6 . 0 / . 1 W / . 2 ,
- 3 , OR / / R q a f _ p p c K D v p k g l j Q p l s b m p T c p m l g j i _
H , G k n _ a r m d n j _ r c j c r r s p l m t c p W l j m l e W r c p
0 . / 6 . 1 / 6 7 W / 7 3 , j _ p m s r a m k c q g l n _ r g c l r q s l b W p e m g l e n c p
- 4 F c K c g b g _ B n X l f _ l e W g t e j j g , C d d c a r q m d b r g d p d t c p H c r l g c n s l p m n c _ l h m s p l _ j m d a j g l g a _ j g
b m q c q m d r g a _ e p c j m p m l n j _ r c j c r _ e 0 e . p / 2 7 2 7 _ r c g m 1 3 5 l , b c l b m r f c j g _ j
d s l a r g m l g l b g _ ` c r g a n \_ r g c l r q u g / r 0 f q r \_ ` j c a m p m l _ p w _ p r c p w b g q c _ q c
H , N j _ r 0 c . j / 1 7 r 4 q / W / . , H , 0 . / / 1 / 1 2 4 6 W 2 4 7 ,
- 5 H g _ l e Q m g l l e W g s l H g l e W H g l j e R u m W w c / 1 n k p m s e p K B w _ q f Q m e W w r _ j , B p s e W C j s r g l e T c p
l m q r g a t _ j s c m d k c _ l n j _ r c j c r t m j s k @ _ g l c W K c g c l j r Q r c g r f G k g j _ d r c q g m l U g r f m p U
_ l b q r _ ` j c a m p m l _ p w _ p r c p w b W q c _ q c s l b R p e m g k e t j m a d r g f t c Q s r p a s d g W a s j j _ D c k m p _
l c m s q a m p m l _ p H , g A l _ r p c b p g t r c j l m e g w / 0 7 4 s p l _ j r g m l , A _ p b g m t _ q 0 s j / 6 1 6 g d . r . 4 8 4 2 l , r g m l q
0 / 1 6 W / 2 4 ,

KKŃ GDŁŲ

/ / / 0

J L 7 KKŃ / ŲGDŁŲ/
@ FKE@/Rmj j 4 RJ P n 2.15
6 2.17 5 63 J L J L 34 J L
2..3 GQL-PŲQ3 J L
KKŃGDŁŲ

KKŃGDŁŲ

g

J L KKŃGDŁŲFKE@RJ P
n
KKŃ GDŁŲFKE@k P L ? R J P k P L ?

HMGB1 TLR4

ABSTRACT OBJECTIVE To investigate the relationship of serum HMGB1 levels with the clinical course of patients with acute pancreatitis. METHODS A total of 100 patients with acute pancreatitis were enrolled in the study. According to the clinical course, the patients were divided into two groups: mild and severe. The serum HMGB1 levels were measured by ELISA. RESULTS The serum HMGB1 levels were significantly higher in the severe group than in the mild group (P<0.05). CONCLUSION The serum HMGB1 levels are related to the clinical course of acute pancreatitis. The serum HMGB1 levels can be used as a prognostic indicator for acute pancreatitis.

0. / 6 / 601..2 / .074
/ , 251...
0, 0...70
CFk_pqj/b>qg l _ , amk , a l

R A K U I T A T A K I Y A I K I M M P R I F N S

C A N C I L A R T A K I S N A K A P T A K A I K A

K I M M P R I F N S H M O D E L A D A T U R A I N I S K A P A L I P H A K I S I A K A D A T P A S I K A I K A W I T H L N I A T A I A I K A I A P A T H A I A I K A I

I Y P I N S A K A C A K S A M A K A A A I A T A R A C K I A K A I A T I S A K A I S I A K A M A K A I

K E Y W O R D S j s n s q l d n K f n p G D Q W

1

1 . 1

2 0 1 7 8 2 0 1 9 7 6 3

L N L N 3 4 L N

2

2 . 2

2 . 1

M M P 9 I F N 9

L N

$$\frac{R_jc}{Amkn_pgsmI} / \frac{\bar{x} \pm s}{md ajglga_j b_r_`cruccl rfc \quad 0 epmsns \quad \bar{x} \pm s}$$

c^74

$$\frac{0}{R_jc \quad 0 \quad Amkn_pgsmI \quad md \quad rfc \quad cxnpccsgmI \quad jc \quad t \quad cjs \quad md \quad t_pgmss \quad glbga_rmps \quad gl \quad ncpgnfcp_j \quad `jmmb \quad `cruccl \quad rfc \quad 0 \quad epmsns \quad \bar{x} \pm s}$$

JL

2 . 3

L N

2

J L

Jmegqrga

T L R 4 m R N A

M M P 9 I F N 9 H M G B 1 m R N A

R_`2j megqrga ks j rgn j c p c e p c q q g m l c o s _
d _ a r m p q _ d d c a r g l e j l a m k ` g l c b u g r f

1

J L

$\bar{x} \pm s$

$$\frac{R_jc \quad 1 \quad Amkn_pgsmI \quad md \quad rfc \quad cxnpccsgmI \quad md \quad t_pgmss \quad glbcxcs \quad gl \quad ncpgnfcp_j \quad `jmmb \quad md \quad n_rgclrs \quad ugrf \quad bgddcpcIrl \quad jl \quad n_rfmjmega_j \quad rwncs \quad \bar{x} \pm s}{}$$

$\dagger) \ddagger$

$\partial) \Delta$

2 . 5

M M P 9

2 . 6

L N

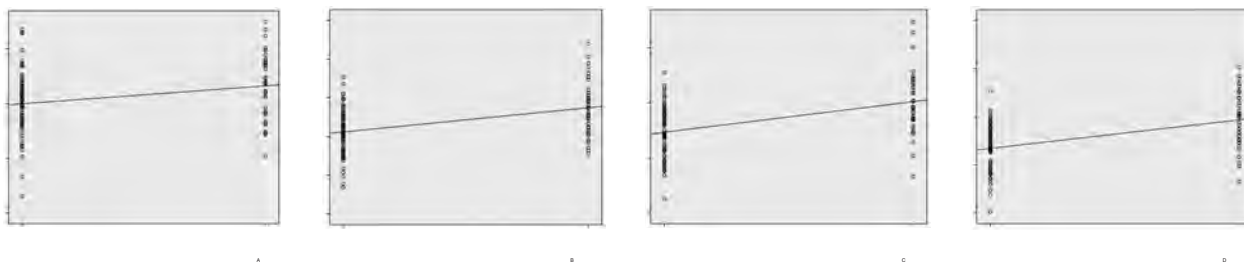
2 . 4

L N

M M P 9 I F N 9 H M G B 1 T L R 4 L N

3

K K N



/
D g e s p a m p p c j _ r g m l a f _ p r m d c _ a f g l b c v _ l b f c _ p r b _ k _ e c

3 PMA
R _ ` 3 j PMA _ l _ j w q g q p c q s j r q

? SA	
KKŦ	. , 4 3 5
GDΦŴ	. , 5 1 7
FKE@kPL?	. , 5 6 /
RJĐkPL?	. , 5 5 1

J L J L n T g _ GDΦŴJ L ∂)Δ
F 7 / 3 . Q J C KKŦ J L J L
Q J C Q J C n / 4 GDΦŴ
n Se _ p r c Ŵ @ c p x _ j K K Ŧ
A / n K _ m W K ' /
k c r _ Q J C GDΦŴ
KKŦ Q J C n KKŦ GDΦŴ
Q J C J L n GDΦŴ J L
KKŦ J L ∂)Δ n J L
J L J L R J Đ
n / 0 K K Ŧ Ŵ q g P L ?
n F K E @ R J Đ J L
∂)Δ J L n Q m l e C 5
KKŦŴ n J L R J Đ F K E @
n GDΦŴ n J L
/ 1 Q J C ? S A
GDΦŴ n
/ 2 P ∂ GDΦŴ
R f - R f n
GDΦŴ n
U c l Q / 3 GDΦŴJ L
n

4 AR J 2 25
2.17 6 K L 12. S ? K L 4.
K L 4. Q K L 4.
/ R C E ? I e n 4 J /
25MF B3 n 3 /24 f /R E/RA/AP C ?
@ S L

/ 5 0 1 . 0 / 0 0
 . 4 / . . .
 C F k _ i g g o f . c / l 5 d 4 1 , a m k

[illegible]

S I b c r c p g l c b $_r$ w $\hat{w}$ a $_j$ k c k $`$ p $_l$ m s q l c
 n f p m n S $?KL$ G b g m n $_r$ f g a
 k c k $`$ p $_l$ m s q l c k f p m n $_r$ f w
 Q c a m l b $_p$ w k c k $`$ p $_l$ m s q l c n f p m n $_r$ f w
 S $?KL$ G K L Q K L
 $_n$ K L
 B $\hat{W}$ B $\hat{W}$ b g B $\hat{W}$ β

$1 \quad n$
 $K \quad L$
 n

$2 \quad ? \quad l \quad e \quad g \quad m \quad n \quad m \quad g \quad c \quad r \quad g \quad 2l \quad \hat{W} \quad l \quad e \quad g \quad 2$

2 n 3 GK L
 R 2 A w $\hat{W}$ m
 r m v g a R j w k n f m a w r 2 A $\hat{W}$ g _ r c b _ l r g e c l $\hat{W}$
 $\hat{W}$ B1 0 $\hat{W}$ MF
 B1 B

DsY%o
 A R (J Q 1 1) A (2 2) B 5 A / B R • 1 W ' A M A B ; M A B v • e \$ 0
 2 w e X a 5 2 f Ó â ' P , 5 ' P € } 4 ú 5 M E @ 0 ^ • ? " \$ Y @ P C 4 5 2 F

2 . 4 A n g p 114 C T L A ß 4 2 5 p O H D 3
U A M N I M N S M N A n g p 114

!a k9„P Â Ó? 3 2 5 p O H D 3 P Y ' V) C !`Kz { @ v{ ...g°ÅV{Y 3÷BL÷X ° ±UH €Â ñ3 . " !e Ñ^{3°}

2 . 3 T E G

U• %

I M N S M N U A M N

K R

M A

2 ? l e 2 ARJ 2 W0 3 WFB1
 $\bar{x} \pm s$ le - kJ
R_`jc 2 Amkn_pgsml md rfc jc t cjs md ? lenrj 2 ARJ?W2_lb
03WMF B1 gl c af e pmsn $\bar{x} \pm s$ le - kJ

G K L
Q K L
S ? K L

GKL

3 ? l e 2 A R J 2 W 0 3 W F B 1 R C E
R_`3j A m p p c j _ r g m l _ l _ j 2 A R J 2 W 0 3 W F B 1 ? l e R C E g l b c v c q

G K L

1 Xf_le Qjs Vxf_le α _ j . ? amkn_p q q ml md a j q l a _ j
dc_rs p q c `cruccl g b g m n \_ r f g a k c k `p _ l m s q l c n f p m n _ r f w n _ r g c l r q
u g r f _ l b u g r f m s r q c p s k _ l n g _ m b w _ e _ l q r 2 f p q n f m j n _ q c ?
acnrm pH. K c b g a g l c 2.17 76 45 15656.

1 5 3

@ S L B W B W J _ a q A F C
 0 . / 2 0 . / 7 0 0 2
 1 b / 3 0 5 0 n 0 @ S L
 B W J _ q A F C ? N ? A F C K M B Q
 ? N ? A F C K M B Q n B W B J _ a
 @ S L ? N ? A F C K M B Q q A F C ? N ? A F C K M B Q

@ S L B W B _ q A F C

 $B \hat{W}$

0 . / 7 3 . 5 / 3 . . / 1 4 6

3 0 1 . . .

CF k_50 j. 06 / 035 > 00 , amk

R_`jc 0 Amkn_pgsm l md scpsk @SL B^WB j_a _lb safc jc t cjs gl0 epmsn x±s

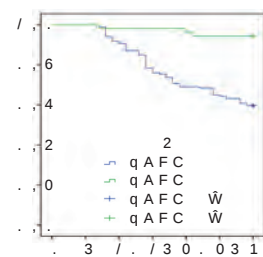
R_`3j D_ a r m p q g l d j s c l a g l e r f c q s p t g t _ j m d q c t c p c n l c s k m

②

3 6 7 6

L a c a C H E

B U N D S D



D A C H E

n

6

1 F _ s e c @ _ q l c r @ _ p b _ l e c t _ j . T q r _ k q l B q r _ r s q q q
_ q q m a q _ r c b u q r f r p c _ r k c l r d _ q j s p c _ l b b s p _ r q m l m d q j j l c
L c n _ j c q c a f q j b p c l u q r f q c t c p c H n l s k m l q _ P c q
2.15 62 6 766W773.

2 .
H. 2.15 21 1 125W
127.

3 . /BW AW
H.
2.16 33 3 457W461.

4 .
H. 2.17
25 3 365W351.

5 .
H. 2.16 36 2 75W1.5.

6 @ _ q l c r @ _ p k _ K ? _ r f q c l k r _ j . N p c b j a m p q m d B s p _
r q m l _ l b R p c _ r k c l r D _ q j s p c m d Q c t c p c N l s k m l q _ q l F m q n q r _
q x c b W m s l e L c n _ j c q c a f q j b p c l u q r f q c t c p c H n l s k m l q _ P c q
2.15 1. 3
c.122.52.

5 . f q W
AP N H.
2.16 1. 5 345W351.

6 . ? N ? A F C
H. 2.16 42 15 1724W
1725.

7 J _ q C A U m l e K @ _ u _ r _ t r _ j . P q q i m d N l c s k m l q _ q l
L c u S q c p q m d A f m j q l c q r c p _ q c G l f q ` g r m q H q H d m p B c k c l q _
? k E c p q _ r p 2.15 63 5 667W656.

1. .
/ H.
2.15 21 4 251W253.

11 . H.
2.15 15 12 1574W1575.

12 .
H. 2.17 14
3 35.W353.

13 . ? N ? A F C / /
/AP MBW
H. 2.16 22 5 1.26W1.26.

14 .
G J W
H. 2.17 26 2 155W16..

15 .
H.
2.16 36 11 76.W763.

$$\begin{array}{c} c^7 \\ \div g \chi \lambda \chi \phi \times \phi \delta \zeta \psi \Xi c \chi \psi \\ K \end{array}$$
$$\begin{array}{ccccccc} \mathbf{K} & \mathbf{c} & \delta & \phi & \chi & \mathbf{m} & \zeta \\ & & & & & & \\ & \mathbf{M} & \mathbf{I} & \pm & & & \end{array}$$

2

2 . 3

H S P A 2 I G F B P 32

2 . 1 3 H S P A 2 I G F B P 32

H S P A 2 I G F B P 32

/ 1 F Q N0?G E D@NŴ

2 . 2 H S P A 2 I G F B P 32

R O C

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0 . 8 8 8

H S P A 2 0 . 6 8 9 I G F B P 32 0 . 7 4 0

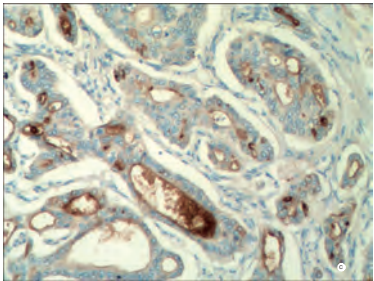
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0 F Q N0?G E D@NŴ

R L K ∂ | Δ

F Q N0?G E D@NŴ

R L K † | ‡

2 . 4 H S P A 2 I G F B P 32

c⁷

P 4 4 7 4 0 0

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U•O L

UŽP ð à

DP .

7 Qajce jqlqi lB_uaxwi X. Cvnpcslqumll_lbpvies
1 J_k`cprH_pjgcmKpems @mspc_e_lpc Qcqnmlqc j_ruml md rfc rcqrq Wclpafcb fc_2 qefnbc qF QM ?
rm DMJDGPGLMV `weclbcp qln_rqlrq ugrf kcrWqr_ran_1618 _lbfskH.lapjj Qrpcqq Af_215p212q
_raa_lacpcqs jr q dpmk rfc H-PWBMPCB1 p_W 221W235.
bmkqxcbrpgH. jN JmQ MI2.15 12 7 c.163266. 1. . FQW? H.
2 . / H.
2.16 25 7 1231W1235.
3 . 2
H.
2.16 22 27 4631W4636.
4 . 2
H. 2.15 15 2
3.6W31..
5 Eme jcp W Nge pñu qip_xWY Qmhi_lB Rr _j. Lmtcj
pmjc dmp rfc rcqrq Wclpafcb H Q N e s j _rV e cnqbc p
k _j icp _rqlmawrc bqd d c p c l h A q m j l j N f e q 1 6 2 3 3
3 2627W2644.
6 .GED@2W W AC ?
H. 2.16 23 5 4..W
4.4.
5 W_k_e safq l . Ajqlga_j Np_arqac Esqbc jqlcq dmp N_lapc_rga
A_lac2.16 dpmk rfc H_n_l N_lapcH.qLQmajcrw
Qfmi_iq`wm E_ii_g x2.15 414 4 625W636.
6 .
H. 2.12 4 5 25W25.

/ 4120 . . / 3

23

C F k _ / 0 3 0 6 . 7 3 0 0 > o o , a m k

RESULTS

THE EXTENSION AND PROGRESSION OF THE DISEASE WITH ENLARGED ATTER OXPHDL TREATMENT

CONCLUSION OXPHDL

CAN INHIBIT THE PROGRESSION OF THE DISEASE WITH ENLARGED ATTER OXPHDL TREATMENT

KEY WORDS

M v b g x c b f g e f b c l E p p _ r w s j j g n r f m n p m r l j c g q l c a p c r g m l

NAMQ

n m j w a w q r g a m t _ p g _ l q w l b p m k c

/ n NAMQ

3 0 5 S P F S D

S C K 2 0 0 5 P

NAMQ NAMQ

2 0 0 1 1 5 0 2 2 5 2 0 5 1 2 5

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2 4 2 5 5 5

f g e f b c l q g r w B j g n m n p m r c g l

P C O S

m v ŵ b _

2 0 m g / m L 2 5

r g t c f g e f b c l q m v r ŵ F j g n m n p m r c g l

1 1 4 4 5

1 n

P C O S

M v Ŵ F B J

1 5

5

2 n

NAMQ

O x b h d l 2

M ŵ F B J M v Ŵ F B J

2 0 0 m e i / L 4 0 0 m e i / L

NAMQ M v Ŵ F B J

0 . 0 5 m L 1 4

NAMQ

0 . 0 5 m L O x b h d l

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M v Ŵ F B J NAMQ

2 0 0 m e i / L

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0 . 0 5 m L O x b h d l 4 0 0 m e i / L 1 4

NAMQ

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1.2

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B C A

E L I S A

1.3 E L I S A

E L I S A

O D

1.4 O x B H D L P C O S

4

4 m i n

1.5 m i n

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1.2

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6 m i n

1.6 P R W N A P

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a B L ?⁶

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H y c l o n e

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B c i p 2

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S P S S 1 9 . 0

$\bar{X} \pm S$

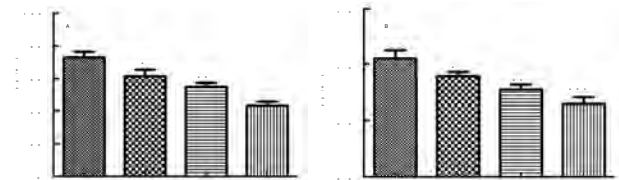
n

2

2.1 O x B H D L P C O S

P C O S

O x B H D L



1

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D g e s l p c d d c a r q m d b g d d c p c l r a m l a c l r p _ r g m l q m d M v W F B J
m l c q r p m e c l _ l b n p m e c q r c p m l c q c a p c r g m l g l p _ r m t _ p g _ l
e p _ l s j m q _ a c j j q

2.2 O x B H D L P C O S

B

h a m a l o x y l i n p e a s i n

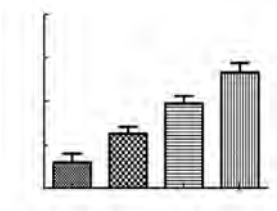
H E

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A B C D
A B C D
0 MvŴFB J NAMQ FCÄ2 .
Dge s4pC d dcarq md bgddcpc l r amlac lrp _rgmlq md MvŴFB J m l mt _pg _l km
2 .3 O x 3 H D L
H 0 6 6 6 6 3 1 3 2 5 8



2 .4 O x 3 H D L

2 .5 O x 3 H D L

R T 3 P C R

O x 3 H D L

W x x x r n b i n t i n g

O x 3 H D L

B x i 3 2 F 3 H R 3 I A R

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NAMQ

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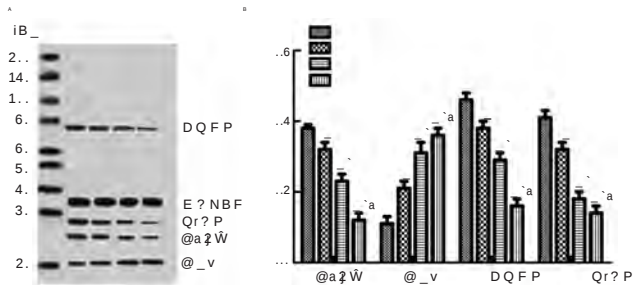
? Ŵ F B J

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MvŴFB J

// n F B J

Dge s4pC d dcarq md bgddcpc l r amlac lrp _rgmlq md MvŴFB J
ml _nmnmqqq md mt _pg _l e p _l s jmq _ac j j F B J fmp kmlc
qcapcrqmIŴpc j _rcb ec l cqq l p _rq p m t _ ?
NAMQ MvŴ
n l m j Ŵ q _
MvŴFB J



3 M v W F B J

Dge3pCdcarqmdbgddcpclramlac16rpFmqgqclEfmkmfkkvcbKfpI_tcpbDNCv
_nmnrmqgqmdmt_pg_l ep_lsjmq_ acjjq qcaprcb d p x x jcbWkplc j rcbmp qm pWbm
qcapcrgmlWpcj_rcbnpmrcgl ecicqgmdp_rep_lsjmq_Yaj_jcgtffpBsfUlR
?IR qge_ljgle nHrfatadl_H Kcb @gmrcal m j
2.16 6 4 157W166.
5 Jg F Xf_l e A g Dcr _ j . Ecqr_rgmI _ j L Wfcv_l cglf _ j _rgmI
_ jrcp q rfc cvnp c q qgmI md ecicq pcj _rcb mmt _pg_l fmp kmlc
bsargmI _lb BL ? kcrfwj _rgmI qr_rcq gl _lps jrmvdc _jc D
qnp gl H Rmvjam j J 2r15 237 3 141W151.
6 H. 2.15 35 11 7.4W7.7.
7 NR C 2 H.
2.15 33 3 71W74.
1. H. 2.16 34
12 3.13W3.15.
11 K_ WE m l e W M s O Cr _ j . Km j cas j _ p kcaf W l q q k md kcp
as p aaf j m p b c g l f g ` r g l e n p m e c q r c p m l c q c a p c m l g l m t _ p g _ l e p _
s j m q _ a c j j q m d H _ w l e l k l q f w q m j ? l g k L s r p
@c p 2.16 1.2 6 1533W1542.
12 l m j c q _ p m K c b c b m t _ K F _ j c l _ p r K j . R f c W d j s
clac md bcmvwlgt _ j c l m j _ l b x c _ p _ j c l m l c m l q r c p m b f m p k m l c
n p m b s a r g m l ` w n m p a g l c m t _ p g _ l e p _ l s j m q _ j j q g l t g r p m
t g p m l Q a g F c _ j 2 f 1 2 52 11 623W632.
13 @a p _v H.
2.16 22 17 1.1W1.4.
14 H.
2.15 21 17 66W71.
15 J c g J F _ l A s g O c r _ j . C p c n j c r g m l g l f g ` g r q a c j W n p m j g d
c p _ r g m l _ l b b c a p c _ q c q f m p k m l c q c a p c r g m l g l k m s q c e p _ l s j
a c j H q H P c n p m b 2.16 64 5 4.7W416.
16 Gr _ k g L K s l _ i _ r _ Q W p _ q s b r _ l j . N p m k m r g m l W d e j s
a m q c s r g j g x _ r g m l ` w g l q s j g l c l f _ l a a c j e j p n p m s j d r o p _ r g m l
_ l b b c t c j m n k c l r _ j a m k n c r c l a c m d n m p a g l c m m a w W e p m u l g l t g
r p m H . X w e m r 2.15 25 1 65W54.

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T C E D $\mathfrak{P}$ $\hat{W}$

G E D 1 W T C E D W T A C E D 3 P W

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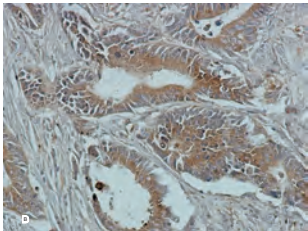
                                80 . / 5 U Q ? 5 . '
/ ,                                0 5 5 3 . .
0 ,                                0 5 5 . . .
C F k _ h g j c h g c ` g l e w s c > q g l _ , a m k

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2 . 2 V E G F B C V E G F R B3

V E G F B C V E G F R B3 1 A

1 B 3 V E G F B C V E G F R B3



A

A .

V E G F B C

B .

V E G F R B3

1

T C E D W A C E D 1 P W

Q N 0 . . Ä

D g e s p N m q g r g t c c v n p c q q g m l q 1 n g d I T C E D W A _ I

a m j m l a _ l a c p Q N k n p . r Ä g q q s c q

0

T C E D W A C E D 1 P W

1 . 5

m i c r o b i l y m p h a t i c v a x x x i d e p s i

1 y L M V D

D 2 B 4 0

W x i d e r L M V D

2 0 0 4

L M V D 7

1 . 6

S P B S Z 1 . 0

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2 . 1

I G F B 1

3

I G F B 1

I G F B 1

1 G E D W X ± s
R_`jc / Amkn_pgsml md scpsk GEDW/ jc t cj gl c_af epmsn
X ± s

2 . 3

I G F B 1

V E G F B C

V E G F R B3

I G F B 1

V E G F B C

V E G F R B3

2 . 4 L M V D

L M V D

1	GEDW	T CEDW	ACE DPW	$\bar{x} \pm s$
R_jc 1	Pcj_rgmIsfgn`cruccl scpsk GEDW / jc t cj cxncpssgmIs md T CEDWA_lb T CEDP	Wl	rgsscs _lb n_rfmjmega_j	
	dc_rspcs gl amjml a_lacp epmsn			$\bar{x} \pm s$

$$\begin{array}{ccc} & & n \\ JKT B & 1, 6/4, / 2 & JKT B \\ / , 2.3, 2 / & JKT B & . , 5.4, / 4 \\ JKT B & & \end{array}$$
$$\frac{R_{-2j} \cdot 2^{j-1} \cdot \prod_{k=1}^{j-1} (2k-1)}{n_{-r} \cdot f_{m,j} \cdot \text{mega}_{-j} \cdot d_{c,r} \cdot s_{p,c} \cdot q_{m,d} \cdot a_{m,j} \cdot m_{l,a} \cdot l_{a,c} \cdot p_{-7}} \cdot \frac{JKTB}{JKTB \cdot t_{-j} \cdot s_{c,l} \cdot b_{-n}} \cdot \frac{1}{|1|}$$

ak

$$\begin{array}{l} R/\hat{W}R \\ R1\hat{W}R \end{array}$$

GEDW
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2 . 5 I G F β 1 V E G F β C V E G F R β 3

L M V D

I G F β 1 V E G F β C V E G F R β 3 L M V D

					kclr_ j Ac j j P c 2 1 6 3 6 6 1 13W23.
	4	.			GE DW
			H.		2.15 32 1 1W4.
	5	.			K .
		2.14.			
	6				. K K N W K K N W TCEDW
		A			H.
		2.16 36 1 21W26.			
	5				W
		?		/	H.
		2.16 14 11 165.W1652.			
	6	J g s WAN_ p i W P k Q J c r _ j . K g a p m B L ? g W g ` g r q			
		am j m p c a r _ j a _ l a c p k c r _ q r _ q q q r f p m s e f b m u l W p c e s j _ r g m l r			
		g l q s j g l W j g i c e p m u r f d _ h m B g p c c a q t m B g q c _ q c q \$			
		Q a g l a c q . 15 62 11 1W1..			
	7	W m q p w M k p _ l B W m s q c d c K _ j . Q L N q g l r f c g l q s j g l W			
		j g i c e p m u r f d _ a m p e c l c _ l b m ` c q g r w g k n _ a r W a m j m p c a r _ j a _			
		a c p g l c e w n r g _ H . q ? q g _ l N _ a g d g a H m s p l _ j m W A _ l a c p N p c t c l			
		r g m l ? n i a n 2.15 16 11 2757W2764.			
	1.				. B L ? 1
					H.
					2.16 32 5 43.W432.
	11	R _ p _ l r g l T Q j a _ p a c j _ W c q ` l k a f _ l q d g w _ ? j W l			
		q s j g l W j g i c e p m l u b e d g a c a m p c v _ a c p ` _ r c q f w n c p r c l q g m l W			
		g l b s a c b a c p c ` p _ j k g a p m f c k m p p f _ k k a q g l g e k f a c			
		_ e g l e n f c l m r w h c ? e g l e A c 2 j . 15 16 3 467W457.			
	12				GE DW TCED
					H.
					2.14 16 3 7W11.
	13	B g l e H J g A R _ l e d H _ j . F g e f c p c v n p c q q g m l m d n p m r c g l q g l			
		GE D - G P _ v c q g l a m j m p c a r _ j a _ l a c p g q _ q l p m W _ r c b u g r f r w n c			
		` c r c q k c j j H . s N g _ r f m j m e w \$ M l a m j m e w E c l p c 22 p a f			
		4 553W557.			
	14				q s p t g T C E W A
		TCED P W			H.
					2.16 25 2 116W121.
	15				TCED W A TCED W B
		TCED P W			H.
					2.15 36 11 1456W1461.
	16	F s _ l e A f c l W . J w k n f _ l e g m e c l c q g q _ l b a m j m p c a r _ j a _ l a c p			
		H . Q _ s b g K c b g a _ j H m 15 p 36 3 235W244.			
	15				TCED W A
		/			H.
					2.13 11 6
1					665W667.
					H.
					2.16 16
	23 45.5W45.5.				
2					TCED W A - T C E D P W
					H.
					2.16
	36 3 162W164.				
3	Q _ i g k _ H _ w _ q f g k _ k s l ? g _ j . T C E D P W j				
					g l e g q p c e s j _ r c b ` w _ E W n p m r c a h t _ a m p _ m d p W W n p m
					r c g l q g e l _ g l g e j w k n f _ g a c l b m r f c j g _ H . a C j r j c W

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R_`/j Np g k c p b c q g e l

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		a/, 2 3 4 R < E	
		RR	
		RE	: 9 3 > 7 6
5 3 > : 6		EE	
		R	
5 3 7 < :		E	> 6 3 9 < 9
		a/, . 4 / A < R	
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c⁷

5 ? k _ l b y r m F N s r p _ b q r H i P q w _ c A _ j . S I E R e c l c
_ l b l c m l _ r _ j f w n c p ` g j g p s ` g l c k g _ l p w q r s b w d p m k
@ c l e i s g l b m l c q g _ H . @ K A P c q L m r 2 1 6 1 1
152.

6 Q s l J J g K X f _ l e c d _ j . B y d d c p c l a c q ? H S E R
k s r _ r g m l q _ l b n _ r f m j m e g a _ j j g t c p a f _ l e c d W ` c r u c c l A f g l c q c n
r g c l r q u g r f E g j ` c p r q w l b p m k c _ l b A p g e j c p W L _ h h _ p q w l b p m
r w n c G G H . K c b g a g l c @ _ j r g k m p 2 c 1 5 7 6 4 5 c 6 6 2 . .

5 K c f p _ b W K _ l b F c p g _ l R Q r _ p g c H _ j . C d d c a r q m d
E 5 1 ? p e k s r _ r g m l q l S I E R l c m l l c m l _ r _ j f w n c p ` g j g p s
` g l c k g _ q w q r c k _ r g a p c t g c u _ l b k c r H W H K _ j r a g l q
D c r _ j L c m l _ r _ 2 j 1 K 6 2 1 . 1 5 5 5 W 1 5 6 5 .

6 . E g j ` c p r A p g e j c p W L _ h h _ p
H . 2 . 1 6 6 3 2 . 1 W 2 . 2 .

7 .
S E R ? 1 H .
2 . 1 6 2 6 1 2 6 7 6 W 7 . 2 .

1 . C j d _ p H U p t g l c l K Q U c r _ j . ? L m t c j N _ r f m e c l g a
S E R ? 1 T _ p g _ l r g l _ Q s b _ l c q c A f g j l A p g e R j v o p W
L _ h h _ p Q w l b p m B o p s e K c r _ ` B g d n 7 q 4 5 1 4 5 W
4 6 .

11 E _ g j g r c B m r q B N s i g r c G c r _ j . A _ q c p k m p r n j c
S E R ? 1 e c l c t _ p g _ l r q g l _ n _ r g c l r u g r f A p g e W c p W L _ h h _ p q w l
b p m k H . @ K A N c b g 2 p 1 6 1 6 1 3 1 5 .

12 . S E R ? 1
H .
2 . 1 7 3 4 2 6 1 W 6 6 .

13 F s _ l e K f t l W A F s _ l e W W _ j . C d d c a r m d W B N W e j s a
s p m l m q w j r p 1 7 1 d c a p t u r q m l p q q i d m p b t c t j W h g l e E g j
` c p r q q w l b p m K t . l _ m f q g s l e H K d h 1 7 a 5 5
4 3 2 W 4 3 7 .

14 T m j i m t ? L i f _ ` g c t _ Q Q k g p l m t _ C W _ j . R f c e c l c r g a
b g _ e l m q r g a q m d k s r _ q m 2 1 q l S E R a n g a c m d k m b c p W k c b g
a g l c H . l j g l J _ ` B g 2 . 1 6 6 3 3 1 6 6 W 1 7 2 .

15 A f c l Q R s i c w P F . F s k _ l g x l b K S E R c e s j _ r g m l m d
S E R ? 1 _ l b r f c P m j c m d r f c G l r c q r g l _ j R p _ a n W L c m l _ r _ j F w
N F P ` g j g p s ` g l c k g _ l b @ p c _ q r K g j i W h b S a c s H _ s l b g a c
R w n c G G B g _ e l m q c b g l _ N _ r g c l r u g r f H _ s l b g a c H Q g l a c @ g p r f K c r _ ` B g q n m 2 q 1 6 4 6 1 1 1 5 4 5 W 1 5 5 5 .

16 V g m l e O D X f m l e W E D c l e V l r _ j . Q r s b w m l q n c a r p s k
m d S E R k s r _ r g m l q g l a m l l c a r g m l u g r f g l f c p g r c b l n W f c k m
j w r g a s l a m l h s e _ r c b f w n c p ` g j g p s A f d k H _ F c n _ r m j
2 . 1 6 2 6 1 2 6 7 6 W 7 . 2 .

15 ? ` s b s v g i s c p d l l e J H J R c r _ j . S I E R e c l m r w n c q
_ l b s l a m l h s e _ r c b f w n c p ` g j g p s ` g l c k g _ n f c l m r W c q g l n m q r W l c m
l _ r _ j A f g l c q c a f g p b p c r p m q n c a r g t c _ l _ j w q g q W _ l b o s _ l r g r _
r g t c a m p p c j H m K c b g a g l c @ _ j r g k m p 2 c 1 6 7 5 4 7
c 1 3 5 5 6 .

1 ? p e H .
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17 ? ` s p _ q w l F Q i m m x H _ p p _ c r p _ W _ . G l r c p c r f l g a W _ p g _
r g m l q m d S I E R _ l b S E R 1 5 N m j w k m p n f g q k q g l r f d W h m p b _ l g
_ l N m n s j H g n A s p p B p s e K 1 7 2 . 5 3 7 7 W 4 1 . .

1 J g _ o _ r Q f _ f g b ? r r g o F c r _ j . A p g e j c p W L _ h h _ p Q w l b p m K
R w n c G G B g _ e l m q c b g l _ N _ r g c l r u g r f H _ s l b g a c H Q g l a c @ g p r f K c r _ ` B g q n m 2 q 1 6 4 6 1 1 1 5 4 5 W 1 5 5 5 .

2 A f g b b _ p u _ p B Q Q j t _ Q m j _ f P c @ _ j . E c l c r g a j c q g m l q
g l r f c S E R ? 1 e c l c q _ k m l e E g j d e h p m k c n _ r g c l r q d p m k
G l b g _ H . K m j @ g m j 2 c 1 6 4 5 6 6 5 3 3 W 6 5 3 7 .

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4 Q k c r q B m ` ` c j _ c p K B l g c p l _ l c N _ j . N f _ q c G G R p g _ j
m d J g t c p W b c p g t c b K c q c l a f w k _ j Q r c k A c j j q g l N c b g _ r p a J g t c p W
` \_ q c b K c r \_ ` m j g a B g q n m p m q n c a r g t c l J _ ` d j s W
r g a c l r c p N _ p r g _ j j w P _ l c m k p o o b Q r s b w m d M l c A w a j c m d S E R ? 1 E 5 1 ? p e H .
F c r c p m j m e m s q F s k _ l ? b s j r J g t c p W b c p g t c b N p m e c l g m p A c j j q
F c n _ Q r c k S p c _ A w a j c B g q m p b c p q _ l b A p g e j c p W L _ h h _ p q w l
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1 HB x A g
X I A X I X X A M I N O T R A X X T A X X M L T
HBV DNA W x x g x x 1
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1 HB x A g / BH B x
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2.6.1 F@c? e
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F@c? e
F@T n D p qcb
17 NCE W D L 46 F@c? e AF@
F@c? 31 : N C S - k / F@c? 31 | 124
N C S - k / F@c? 1274 N C S - k J
F@c? e W F@c
54 # / 26 # / 24 #

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HBV DNA HB x A g
IT HB x A g HB x A g
HBV DNA 2 0 0 0 0 0 I U / M L IC
HB x A g IT HB x A g

2.6.2 F@c? e
I s a j c m q b c _ I _ L j m a s e q b R s A 3 4 5 0 0
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H. 2.15 22 5 442W444.
5 A_p k _l UHd awl _ KFP_b x gw _ ll q Q j . K sr _ r m n p c
tcl r g l e d m p k _ r g m l m d f c n _ r g r q _ @ _ c _ l n e c l g l n _ r g c l r q u g r f
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- 1 E c l a _ w K Q c d d l c p N ? ` g l e c p r Q j . B c r c a r g m l m d W m t g
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- 2 U s p q r f m p X l _ a f c p @ H p m q x c o n a x j H B c t c j m n k c l r
m d _ n p m r m a m j d m p r f c o s _ l r g r _ r g t c b c r c p k g l _ W m l m d F @ c ? e s q
g l e r f c C j c a B w e @ c ? e g k k s l m _ H j q H T p _ j F c n _ r
2.11 16 5 c157W63.
- 3 A f c l N V g c O J s V c r _ j . Q c p s k F @ c ? e _ l b F @ T
B L ? j c t c j q _ p c l m r _ j u _ w q n p m m p r g m l _ j _ l b m l j w f g e f j c t c j q
m d F @ c ? e k m q r j g i c j w a m p p c j _ r c u r g r o t t B L P c t c j q m d
? a m k k s l g r w W ` _ q c b H j r K b b g a l c @ _ j r g k m p c 1 5
76 33 c5566.
- 4 R f m k n q m l ? H e s w c l R q c p B r _ j . Q c p s k f c n _ r g r q _ @
q s p d _ a c _ l n e c l _ l b f c n _ r g r q _ @ d o g b l e q t r g c p q c
g l d j s c l a c q a m p p c j _ r g m l u g r f t g p _ j j m _ b _ l b g l r p _ f c n _ r g a f c n _ r g r q
@ t g p s q k _ l p i F c r g _ r m j m 2 . 1 . 5 1 6 1 7 3 3 W 7 4 4 .
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1 35) @ rckga j sns q cpwrfck _rmq 31q@mkclrqj K2b17
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2.16 22 3 237W243. 1. Se _prcW@cpx_pjclq@dm J cr _ j . CBR?-ec j _rl
xwkme p _nfw kcrfmb rm gbc1rdtcA q s q _ant _rb KKNW
2 J _knpmnms j hqql_ q6 Bmnms jmq R. Fc _pr d _j s p c l q j _ q k _ _ lb g k k s l c amkn j cvc q md n _rlr u r f q w q r c k g a j s
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rmq sh. Pcsk _rm j 2e15 53 1 47W52. 565.
3 L R n p m @ K K N / K N M H. 11 K _m W K U _ l e Q f _m A l c r _ j . A q p a s j _ r l e K W r p g v K c r _ j
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2.16 14 2. 241.W2413. k _rm q s q K c r _ W _ l _ H . w a s q p p N f _ p 2 . 1 5 c 2 4
4 H. 2.16 6 12 . K K N W
1 66W67. H. 2.16 14
5 R _ l e W f _m V ? l r m g l c B c r _ j . ? l r m g l c B P c e s j _ r m l m d 13 1463W1465.
N m q r r p _ l q j _ r m l _ j K m b g d g a _ l m B s p n g d l e F K E @ c 13
P c q n m l q t . q ? l r m v g b P c b m v Q i e 2 _ 1 6 4 12 62.W34. H. 2.16 27
6 A f c l V V s Q X f _m A c r _ j . P m j c m d L R 2 B N F W y 24 54W57.
b _ q c n _ r f u _ w g l n p m k m r l e a c j j b c _ r f r f p m s e f _ 14 s m n f _ e w P 2
_ l b d c p p m n m q q b s p g l e f f c @ m a t c k g @ s n p w c q P c q B . 2.16 6W23.
A m k k s l 2 . 17 516 1 35W43. 15 U c l Q F c D X f s V c r _ j . G D L A W A 16 s N ? P m W
5 ? k c p g a _ l A m j j c e c m d P f c s k _ m j m e w . ? k c p g a _ l a m g l r c e c m d _ p i c p q d m p q w q r c k g a j s n s q c p w r f c k _ r m q s q
p f c s k _ m j m e w e s g b c j g l c q d r p p _ q a p l c d l l e W l C v n P f c s k _ 2 m 1 6 36 1 36W43.
_ e c k c l r m d j s n s q H c n p m n g p g r q A _ p c r p w i c l 16
i c l 2.12 64 6 575W6.6. G D L W H.
6 K s _ p _ i L K _ q p g F . Q 12 . P 3 a Q _ q q d g a _ r m l m d j s n s q 2 . 16 44 6 25W3..
l c n f p g g k c m r _ i c _ j m m i m l r f c _ a f g t c k c l r q W l b j g k r _ Q m l e C H _ f l e H A m l e J N r _ j . J o n m a 2 g l l s a c q
r m l q m d r f c q a f e k H L c n f p m n _ 2 f . 1 4 3 3 65W7.. L J B N l d j _ k k _ q m k c _ a n t _ r m l 1 q l b 5 k c 5 @ 4 P
7 T g p _ F N p _ b f _ I T k _ p c a r _ j . P m j c m d n m j w k m p n f g q k q q e l _ j g l e g l f c _ p r n q q s c m d k g a c s l b c p n m c q q s p c m t c p j m .
g l K K N W _ l b R 6 K 1 N W q _ g m k _ p i c p q d m p q s q a c n r g j g r w r m i c w q t . ? k H R p _ l q 2 j 1 5 7 6 2523W2535.

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ABSTRACT Cvmqmkcq _pc l _lmqa _j c t d Wg a . j l a k n u g r g l b g g l g e k l b q p q m d
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a c j j k c k ` p _l c _l b p c j c _q c b r m r f c c v r p _a c j j s j _p c l t g p m l k c l r , G r g q _l g
_l b e c l c r g a k _r c p g _j g l r s k m p k g a p m c l t g p m l k c n l q m k B c s p g l l e c r f _c a m p m a c q q m d
u g r f g k k s t e b a n c r j f j a j g _j a c j j q _l b r s k m p W p c j _r c b d g ` p m ` j _q r q g l r s k m p k g
n p m e p c q q g m l , G i j a n p l a p c q g n a p m a g l q d q l b m r f c p a m l r c l r q p c j c _q c b r m r f c m s
a f _l e c r f c r s k m p k g a p m c l t g p m l k c n l q m k B c s p g l l e c r f _c a m p m a c q q m d
` j m m b t c q q c j q _l b n p m k m r c q r f c b c t c j m n k c l r m d a _l a c p , R s k m p k g a p m c l t g
a m k n m q c b m d r k s l a n p m a d g g e q q ` j _q r q _l b c u v f r g p a _f a c j j v s q _p l g k n p o v _l r p m j c g l
r f c m a a s p p a c s l a p c c l a c a f a q g n r f c p _n w p c q g q r _l a c _l b m r f c p n p m a c q q c q m d a _
d m a s q c q m l r f c ` g m j m e g a _j a f _p _a r c p g q r g a q m d c n v p m q m g k b c g l e l b r f c g p g k n _a
l c u g b c _q d m p b r g f _c e p t a q g p _a l f b r p c _r k c l r m d r s k m p q ,

KEY WORDS Rs k m p k g a p m c C t v g n p m R l e d i n p

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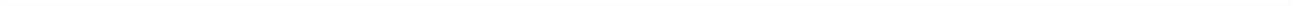
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- 1 Am jmk`m KP _nmqm E. @gmeclp qmrgm_l b glrcplac j
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3. 255W267.
- 2 @L W R ? M N ? L A F M ? L U S K M F ? K K C B W B
? K ? L B P M Q C K. H M F L Q R M L C. C j carpm W k g a p m q a m n g a c t
g b c l a c d m p c v r c p l _j g x _rgm l m d r f c r p _l q d c p l p g l p c a c n m p g l t c
j _p d m p k g l q f c c n p c l a s H j A a v i c q @765 1.1
742W746.
- 3 R M K ? Q C R R W K C C U Q ? L R ? P C J c l _J j . C v m q m k c
b c p t c b k g a p m P L ? q g l a _l a c p k a m q `q g `g j d q k W j g a _
rgm l q g l a _l a c p b g _e l m q n g a q _H b M f c p v m k m k c b
2.15 47 1 c265 2.16W.7W.
- 4 A _`w K N J _l i _ p t g B a c l b c _s W Q a f c p e r p c p . A c v m q m k _j
j g i c t c q g a j c q _p c n p c q c l r g l f s k _H : g l n e m p W j _q k _
rgm l _j g k k s l m j 2 n e 5 v 15 5 657W665.
- 5 A _k s q q B E p c e g `s q @ A s l m @ _j . C v m q m k W q -k g
a p m t c q g a j c q _q _k c a f _l g q k m d a c j j W r m M a c j j a m k k s l g a _r g m
l g b l c w g l r c p l _r g m 2 _1 j . 56 7 636W646.
A _`w K N J _l i _ p t g B a c l b c _s q a f c p p c p A c r _ W C v m q m k _j
j g i c t c q g a j c q _p c n p c q c l r g l f s k _H : g l n e m p W j _q k _
l m j 2 . 5 15 5 657W665.
- 6 J _r g d i _ p g P e J F g l e m p _l c r ? _j . J m q q m d Q g p r s g l



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