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Volume 12 Number 3 March 2020

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┘ ă ├ У ┐ ғ

Ѐ У Ѐ ζ ѵ̌ У Ѐ ζ ѵ̌ Ѐ

ζ ѵ̌ ├ ɟ

/ 7 5 56 Ό 0 . . / Δ Њ ├

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ъ æ У ├ Ң ɟ

0 . / ƺ̃ ← Ш ╟ ≀ ├ У IIm 0 . / ƺ̃

├ Ə ε У ├ Əm ɟ

ζ ѵ̌ ъ Ї м У ├ í ẇ Ə / 7 ɟ • ≀

Ė Ÿ í ˘ ´ ẇ ח У • в в ҳ

˘ У ɟ Њ ♥ ח Ậ Ấ ę

♥ ӷ У ח Ậ í ´

ө Ş Ấ ɟ

ח / . m Ə 3 ˀ ┘ 0 ӷ

► ≀ ѿ / ɟ ѵ̌ ├ ╟Ж ├ ├ ѽ Ж m ≀ Ж

≀ Z ≈ ├ Ж Ό Δ ≀ Ж m ≀ Z ├ Ж м У ├ ѽ Ж

v ≀ Ж У ≀ Z ┐ ғ ╟Ж • Ό Δ Ό ≀

Ж m ≀ Ж ≀ ئ ┘ ѵ ├ ┐ ғ Ό Ό Z ├ ╟

Ж У Ό Δ ≀ Ж J ≀ ┘ í Ậ Ψ Ό

┘ ├ Ж У ѽ Ж J ≀ Ж ≀ ┘ ├ Ж ғ ѽ Ж m

≀ Ж ≀ ɟ

分子诊断与治疗杂志

分子诊断与治疗杂志

" Är@ÉÐ ÝrpË‡' Írr~7'*òrr ÷' Ërtû—' Ñrt w' Úrqz0×'.\rtP‡' ¡ $ Ó • ¤ $ Ó z ZrpÀ S' È »rq:Ç'l˜IÞrrÂrp”€0vU• UŽ ÝrpË‡'

分子诊断与治疗杂志

2020 3 12 3

G J/ษัG J/ษัG D Ʊ ʈ Ψ ɵ ᵉ ש Ά ˜ Ặ
ŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅŅ 114
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® N I ɞ

COMMENTS

Monthly Volume 12 Number 3 March 2020

Experimental study of miR 421 promotes the proliferation of prostate cancer cell line DU145 by targeting PDCD4

Serum IL 1β IL 10 and IFN γ in the qualitative diagnosis of breast tumors and their correlation with prognosis

Relationship between $CD3^{+}$HLA DR cells and immune disorders and ovarian function in patients with early onset ovarian insufficiency

Study on the relationship between immune function imbalance and disease activity in patients with rheumatoid arthritis

Effects of CysC Hcy MPV NT proBNP on restenosis after STEMI

Evaluation of serum β HCG progesterone and vaginal ultrasound in the diagnosis and treatment of unruptured ectopic pregnancy

Clinical Significance of Serum MMP9 IFN γ and HMGB1 TLR4 mRNA in Lupus Nephritis

Correlation between detection of Angptl4 CTLA 4 and vitamin D and coagulation function in patients with membranous nephropathy

The predictive value of serum BUN خ U‘
X HANG

1 CipcRLA

1.1 CipcRLA ч

CipcRLA RLA Ψ ה ϟ Ҥ RLA ẹ ζ ئۆ Ҥ Ψ ╥ RLA 3 ūИ 5 ū Ǎ ɵ Ǎ ɵ ┐ Ђ CipcRLA RLA ʽY ɔ غ RLA Ė ɟ

1.2 CipcRLA

CipcRLA ζ Ҥ غ ﺨ ᾤ ئۆ Ҥ ж غ ﺨ У ɞ ﺷ Ψ [6] ɟ CipcRLA tRLA ⅃ lncRLA φ غ ﺨ א ẹ ̈ ̄ RLA 5 ūИ 3 ū nolw A ɟ ẹ RLA ̈Ω ̈ ̄ ẹ ǖ ε CipcRLA ecRLA ɞ Ỉ ̄ CipcRLA ciRLA ⅃ Ų Ỉ ̄ CipcRLA 3 ẹ Ψ CipcRLA ▌ ɟ CipcRLA ئۆ Ҥ Ψ ẹ æ Ξ ﺟ ئۆ Ҥ Ψ 3 CipcRLA ئۆ Ψ ´ Ӈ ﺟ ε 2 ū5Ų ū J [7] ɟ CipcRLA Ė k iRLA Ə ᾷ RLA RBN Ə w RLA ɞ ﺷ ъ ﺴ ɞǖ ɔ ﺷ ε̈ H Ỉ ̄ CipcRLA ⅃ Ų Ỉ ̄ CipcRLA ζ ל Ά غ ﺨ [8] ɟ

1.3 CipcRLA ﺷ ʽ

CipcRLA ה RLA ẹ ζ Ά RLA ᾤ CipcRLA ǖ ζ Ḅ ˜ CipcRLA ζ У Ҥ ʽY ζ òئۆÒ» Ywà Ψ}Uʻ h >n Ù ÿ0?ó

2.2 CipcRLA Á ◓

◓ ᾤ Ψ

ẹ ˝ c ĭ ◓ Ḥ ◓ ה ˀ

◓ ὗ ς ĭ ɟ X hou [32]

ה k RLA ɔ CipcRLA ; Á ẹ Ặ

LFiB ɑNl3i-AKT ⅄ TGF Ξ Y ̄ kiRỤ

24-letỤ ̄ ´ Ḥ Ж ̧ ̆ ̆ Ψ ɔ ɟ

; B T M F U 5 @ L (4 5 z%æ

4

N4Ud &9Z

UÀ

A M T G/B7Ų

/ Ҥ / . / ɨ / ᵒᵖ

2.17 12 ᵐ ' ж ⱶ Ч ی ợ Q ? P Q Ų 2AmTŲ ئۆ ه
ئى ┘ ئۆ Ỉ ẫ ه ẇ ỉ ẹ ђ ه ɟ ה K ẇ ה
Ҥ Ą K ɞY K ɞך ж Ą ɟ غ ه Ó Ђ نح
Ҥ P R Ų N A P ی ợ P L ? ε ی ợ
AMTɞBŲ17 Ч ʒ ζ ˇ ɟ ж Ҥ Q ? P Q Ų 2AmTŲ
ˇ 5. # ɟ ئۆ Ψ I У ó ה Ã φᵐ ǿ نح Ҥ ẍ
Ų Q ? P Q Ų 2AmTŲ I ς ɔ ą̃ Ã Ђ Ψ ɟ
ع AMTɞBŲ17 ה w Ã ל ئۆ ˘ Ђ نح ɔ
ɿ Ó Ą Ã Ą Ó Ђ ɟ
ی ợ í

ABSTRACT G l B c a c 0 k . ` / c 7 p l c u r w n c m d a Q ? P Q Ų A 0 m T Ų s q a _ l a _ s q c f s k _ l
p c q n g p _ r m p w g l d c a r g m l q ` c e _ l r m q n p c _ A b f g g l l U s _ f l _ b l m _ r l f b c q n a p m c s _ l b r p m g c r q f g l u f m j
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 , p G j l w r b f c r c d c a r c g m m d m d c u a g p l p c a p g m m s p 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 p s q m d c q f c p m g s _ r j c m m d a m l r p m j
r p _ l q k g l q g m p l m r c a r t s j l c p _ ` j A f n g m l n _ s f j _ q g m s l g q a , i R v f c g p l c r d p m p b c 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 Ų N A R c a d j s m j m e w , a N m a q c g o s t c l r g r _ r g
b c r c a r g m l m d t g p _ j l s a j c g a _ a g b q f _ q ` c a m k c r f c k _ g l ` _ q g q d m p r f c b g _ e
a m p m l _ t g p s q A m T G B k Ų m b l g g _ e l m q g q _ l b r p c _ r k c b l s r c n r p m m e r p f c k g l F m u a c t g c m p
a f _ p _ a r c p g q r g a 0 q r m f c Q ? P Q Ų A m T Ų _ r c m d l s a j c 3 g . a # _ , a G g l b g b l c d r c c a a r r g g m m s l q g q j c q q r
b g q c _ r f c c q n p m b s a r g m l m d q n c a g d g a _ l r g ` m b g c q g q m l c m d r f c g k n m p r _ l r a p
g l d c a r g m l q r , f ? c r b n c p r c c a c r g m l m d 0 q n c a g d g a Q ? P Q Ų A m T Ų b g c q ` _ q c b m l g k k s l m j m e g a _
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 7 c n q g b a k a g p a g r p p g _ q g l a c r f c
p c t g c u c b , @ _ q c b m l _ l m t c p t g c u m d r f c _ b t _ l r _ e c q l c u l b b g q _ b t _ l r _ e c q m
g l q g e f r q _ p c n p m t g b c b m l r f c d m p k s j _ r g m l m d p c j c t _ l r q r _ l b _ p b q d m p b g _

KEY WORDS Q ? P Q Ų A 0 m A T Ų g l g a _ j l b s g a _ j e c l g m a q g a q g Q b c b p m r j m a e r g a m l j b c r c a r g m l

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نح ← Ш Ó ợ Ó ɫ ی ợ Ą Ó Ń ه
Ó ǿ 0 . / 5 / X V 1 . 0 0 . /
Ə ╥ Ҥ / ← Ш نح ├ Ɑ Ψ ← Ш / . . / 7 /
0 ← Ш ж ├ ← Ш / . . . 2 2
ᵖ ɲ Ə ɨ C g k _ j g s j , d c l e k g l > f q a , n i s , c b s , a l

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1.1 Ã

ợ ی Copon_ vipus Dịs

e_se 2.17 COTIDỤ 17 ٔ ợ ی

3.2 ӝ ϟ

Ά ǀ ӝ ϟ

ѡ ẹ ̀Ω ئۆ ǀ Ψ Ϭ † ɟ

m ה COTIDЦ17 Ẩ

ƒ ӝ Ψ SARS Ặ ợ

SARSpЦCoT IeM ⅄ IeG ӊ ⅂

ᾷ 5 ̈Hω ̀O Ђ ǀ

╗ ɟ ẹ Ψ IeM ъ 5. # ᾷ Ђ

81 # IeG ̃Ω ъ 81 # ᾷ Ђ 1. . # 3

ã ’ ̀O 22 ɟ ƒ

ӝ SARSpЦCoT IeM ⅄ IeG ’

̀O ƒ ’ ی ợ

ж ᾷ ̀O ɟ ς ⋗ Ҥ

ɔ ה ẉ SARSЦCoT2Ц IeM IeG

̀Ḥ LMNA ɟ

3.3 ЦSARSЦCoT2Ц ǀ ئۆ

ɵ e

Ặ SARSЦCoT

ئۆ ̀O ˜ m ⅄ Ψ ◑ ’ ᾷ

SARSЦCoT ǀ ẹ Ψ IeM ئۆ ˜ ⅄

ᾷ e φ˜ ; IeG ̃Ω ’ ئۆ

Ỉ 23Ц25 ɟ ئۆ

v Ψ ЦSARSЦCoT2ЦIeM ⅄ IeG

Ẩ ι ’ ѡ ╥ ^

ƒ ̀O

1 . ¡ . Ψ Z ⅵ ϒ ´ ợ

H. Ψ ه 2.13 3 4 245Ụ247.

2 Ψ ه Ụ ĩ ► ی ợ ´ . Ψ ه Ụ

ĩ ► ی ợ AMTGBỤ17 ´

ϒ . 2.2...2.16Ụ24. frrn -- u u u.lfa.emt.al-35-56-2.2..2-

65 d b7251.b.74ĩ7` _5756.6 d 52a.a q frk j

3 R _ l e Ụ s A J g V cr _ j . Ml rfc mp g e g l _ lb amlrg l s g l e

ctm j s rgml m d Q ? P2Q Ụ AtLT_Ụ j Qagclac2P2.t

4 H g _ l e Q f g X J . R fc D g p q r B g q c _ q c V g q A _ s q cb `w _ F g e f j w

R p _ l q k g q q g` j c ? a s rc P c q n g p _ rm p w Q w l b H p m k c A m p m l _ t g p s q

T g p m j Q2l.2..

5 ه ► ŧ ϒ Ж . ی ợ

m ặv . 2.2..Á D D ɹ

ϛ Q ű

AR

Q ? P Q Ų A m T Ų

/ Ω 0ρ ٧ Ω 1 0 ٧ ɧ 0 ĸ ẉ 1 AR AMT = Ų 17Ω Я

ơ ی Q ? P Q Ų A m T Ų غ ٮ ẹ ḏ ɟ
ẉ P R Ų N A P Q ? P Q Ų A m T Ų D _ - ٧ L غ ٮ ŭ 23 ʒ Q ? P Q Ų A m T Ų í ٮ ḏ
ɟ ~ 3 ʒ AMTG B Ų 17 AR MTB 2. Ų 14-7 P 14 ص 2 ɟ 24 6- 6 ж ی 5 ʒ ṿ ی 1
ʒ ی 1 ʒ ی 13 ʒ ɟ _ 23 ʒ Q ? P Q Ų A m T Ų ˇ ٧
Ҥ ˇ L غ ٮ . ٧ ˇ ɟ _ 2. ʒ AMTG B Ų 17 Ψ 3 . . . # 6-2.
AR ɟ Á ḏ Ặ ɟ ٮ Ḥ w ٧ 13-14 ٧ ; ˜ ˜ ٮ
11-14 1̂1-14 14 . ص ʒ Ŷ 11-14

ٮ ٮ 0 . / 7 1 H/W D
Ə ╥ Ḥ / , ► ж ├ ḏ Z 0 4 2 0 . .
0 , ж ├ Ψ $ í ŭ Ψ Ä ├ ŭ
í ├ Ψ Z 0 5 4 6 0 4
1 , Ặ Ψ Z 0 5 4 6 0 4
ρ ɲ Ə Ω C ɡ k _ u g e j n p 7 x 1 ⊳ 0 4 , a m k

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1.1 ᵐ

2.2. 1 25 | 2.2. 3 18

ẉ RTỤNCR 6578 ж оу ѡ 23 ҙ

SARSỤCoT2Ự Ə ε

ж ├ 17 ҙ 3ҙ ҙ Ψ Ů ҷ

1.5

SNSS23.. SNSS Inc. Chic_eo IJ

SSA Θ ὗ ϡ

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2.1 í

6578 ж 23 ϡ SARSŲCoT2Ų

5 | 63 13Ƃ1. ج

´ ẹ Ψ 3 ϡ 13.. #

COTIDŲ17 2. ϡ 87.. # ɟ COTIDŲ17

2. ϡ Ψ ה 2. ϡ l 37.3Ÿ 37Ÿ ل ڼ 14

ϡ 7 ϡ ï Ὠ 7 ϡ 2 ϡ ɟ й 2 | 24

ى 7 ϡ ж ى 5 ϡ ṿ ى 1 ϡ

ى 1 ϡ ى 13 ϡ ج ε ى ى ا

- ى ɟ

2.2 SARSŲCoT2Ų

SARSŲCoT2Ų 23 ϡ ˀ 4

Ą ج´ ORF1_-bɞL غ نح Ḥ

Ỉ INC ا ɞ ɨ Ψ ɞ S1 ɦ

e Ỉ ɨ ج´ ɟ 23 ϡ ج

ˇ ɞ ɞ . SARSŲCoTŲ

2 ORF1_-bɞL غ نح ˇ

ا Ƀ ˇ ORF1_-bɞL غ نح

6 | 35 . L غ نح ا ˇ

ɟ

2.3 COTIDŲ17 ḏ Á

23 ϡ SARSŲCoT2Ų CT 7 ϡ

37.1 ˎ ˆC ˆ 7ˇ ˆ C ˎ ضح ˆ C ˆ A 1 №سم ţ

>y

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2

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r Й ρ

ˆ ˀ ی ợ Q ? P Q Ụ 2 mT Ụ Ḥ ۱ ŭ
w w ל ɟ 2 7 2 11 Ă 1.1 ʒ Q ? P Q Ụ 2 mT Ụ
í Ξ ه У Ḥ Ḥ ɟ 1.1 ʒ Ψ
Ḥ ? 32 ʒ 31.66 # 56 ʒ 55.45 # Ḥ @ 35 ʒ 34.65 #
53 ʒ 52.46 # Ξ τ c^7 _5 3 7 6 ; >

Ψ Ξ Q ? P Q Ụ 2 mT Ụ
Ḥ Ȯ Ξ Ḥ L Ḥ Ȯ

ی ợ Ḥ

ABSTRACT Objective To co k n_pe _nd _n_lwxe the detection pesults od diddepent novel copon_vipus SARS Ụ CoT 2 nucleic _cid detection pe_eents dop pedepence in the l_bop_tmpt Methods A tot_l od 1.1 pe k_inine nucleic _cid s_ k nles uepe collected dop clinic_l testine in oup hosnit_l on Feb 7 _nd 11 _nd tuo do k estic i its uepe used dop n_p_llel testine to nepdop k nucleic _cid _ k nlidic_tion. The nepdop k_nce od the s_ k nles u_s co k n_ped _ccopdine to the test pesults od e_ch pe_eent Results A k one the 1.1 s_ k nles 32 uepe nositive dop pe_eent A nositive p_te 31.68 # 56 uepe nee_tive nee_tive p_te 55.45 # 35 uepe nositive dop pe_eent B nositive p_te 34.65 # _nd 53 uepe nee_tive nee_tive p_te 52.48 # . The diddepence u_s not st_tistic_llw sienidic_nt c^7

ɔ ئ ɛ ж ├ ɛ ˜ غ Q X Q 0 K. / 3 / 0 . . 3
Ə ╥ Ḥ ئ ɛ ж ├ Z ئ 3 / 6 / / 0
ρ ɲ Ə C ɡ k _x ɡ k j v k ` w > m s r j m m i , a m k

' +¼! C P

/qð€“€ $¶ I ïq ` ƒX ' ’ð ! /

Y pÐ ñ8Ðiñ"@q@0K` Kjp Ír`@ÂÓîq ¶ ! %2(Ð K` `Ë`Â PFH ð 9H ÒˆÐ Uú < 3x ÿ oÇe@@ Ã

™” ™”9PD„I0 7ú1 ïµ` ûÉ@ ¶ q ðÂ3P%ˆd; ÊÊ6ˆu1 £ ™5¡0

2.3 Ξ ’Ḥ Ξ Y غ نح

ε ǔ ’Ḥ Ḥ

ABSTRACT Objective Accopdine to the L_tion_l In vitpo Di_enosticITD Re_eent S_knline Wopi Npoep_k _ tot_l od 18 b_tches od iits uepe s_knled dpo6 cokn_nies to ev_lu_te the ou_litw od th_l_sse ki_ eene kut_tion detection iitMethods The _ccup_cw snecidicitw likit od detection _nd pene_t_bilitw uepe vepidied in _ccopd_nce uith the npoduct technic_l peouipe kents bw usine the entepnpise

1

1.1

1.1.1 ḾḤ ẁ ה ל ŧ

˘ ˩ ʁ ŧ ŧ ´ ו

ḾḤ ה Ə ŵğ

Ĵ ʁ ŧ ו מ Ấ Ə ɟ

Ă ğ 18 Y ئ Ψ ح غ Ḿḥ

ğŵ У ˉ ĭ ų ╥ Ḥ ğ ŧ 14

ğŵ ɟ ğ ŧ 4 ẁ 6 У

Ĉ Δ ɟ ئ Ψ ה ל ŧ

36..14Ų2.17.1 Ψ ה ŧ ŧ

w ɟ У ŧ Ặ מ 1 ɟ

/

R _ ` j c R ?

˜	ŧ ˜	У ╥ Ḥ	
1	ي ىئ Ψ ح غ Ḿḥ & G_nŲNCR '	ج ئ ل	ă ˘
2	ىئ Ψ ح غ Ḿḥ & NCR '	ج ئ ح Δ Ĉ	ă ˘
3	ئ Ψ & ىئ ي ح غ Ḿḥ NCRŲ ẉ P	Ψ ح غ oy	ă ˘
4	ي ىئ Ψ ح غ Ḿḥ ẉ NCR	ω د oy	ă ˘
5	ي ىئ Ψ ح غ Ḿḥ ẉ NCR	ω د oy	ă ˘
6	ىئ Ψ ح غ Ḿḥ ẉ NCR	ω د oy	ă ˘
7	ىئ Ψ ح غ ك Ḿḥ e_nŲNCR	Ж ج ئ	ă ˘
8	ي ىئ Ψ ح غ ك Ḿḥ NCRŲẋ˜ P	Ж ج ئ	ă ˘
7	ىئ Ψ ح غ Ḿḥ NCRŲẋ˜ P	Ж ج ئ	ă ˘
1.	ئ Ψ ح غ Ḿḥ NCRŲẋ˜ P	Ж ج ئ	ă ˘
11	ىئ Ψ ح غ Ḿḥ & NCR) P '	˝ ו ├	ă ˘
12	ىئ Ψ ح غ Ḿḥ & NCR) P '	˝ ו ├	ă ˘
13	ىئ ו ىئ Ψ ح غ Ḿḥ & NCR) P '	˝ ו ├	ă ˘
14	ىئ ʁ ىئ Ψ ح غ Ḿḥ NCR) P	˝ ו ├	ă ˘

1.2

1.2.1

Ĉ Δ ȯ У ŧ ˜A-У ŧ

ˇ Ĉ Δ w ƚ ŧ ŭ ą̈

Ḥ Ƀ ˜A ƚ ´

ʁ ƚ ŧ ´ ʁ ɻ

ɟ ˇ Ĉ Δ Ḥ Ш Ə

~ ó ɟ ε Ђ

Ḥ ъ У ɻ ƒ ˥

˚ ˝ Ḥ ɟ

1.2.2

YY-T 1527Ų2.17ћ Ư ưЏ ئىΨ نح غ ŭ ى

Ḥ ɲ Δ ˜A Нь 2.18 4 1

ɟ ئى Ψ ہ ƚ ŧ

36..14Ų2.17.1 Ƀ 32 oy ج ε نح غ

DLA í ɔ ˥

ę Ψ 3 oy ę æ 27 oy ã̂ ε ئى Ψ

نح غ ƚ ẅ ą̃ 7 ЏЏ ئى Ψ نح

غ ƚ ى ɻ 2. ưЏ ئى Ψ نح غ ƚ

ى ɟ ˚ Δ ˜A ہ ƚ ŧ ˜A

ʁ ʁ 3 Y ɟ

2

2.1

Ă ą̃ 18 ئى Ψ نح غ

Ḥ ƒ Ĉ Δ ƚ ŧ ˇ Ĉ Δ ȯ

У ŧ ˜A-У ŧ ´ У ŧ ε

18 ▌ ε 1.. # ‴ ´ У ŧ ε . ɟ

w ى ЏЏ ئى Ψ نح غ Ḥ G_nŲ

NCR ε ʒ N1 ɑNJ1 ɻ R1 ج ε Ư ЏЏ Ų 7

ى ą̈ N2 ɻ NJ2 ج ε Ư ЏЏ Ų 2 ى ą̈ N3 ɻ NJ3 ج ε

Ư ЏЏ Ų THAI ى ą̈ N4 ɑNJ4 ɻ R2 ج ε ŲU 2 -ŲŲ EA ى ą̈

L1Ų L4 ج ε Ư ЏЏ Ų ى ą̈ ج ´ نح غ ى ą̈

ѧ 1 ɟ

2.2

18 Y Ḥ ج ´ Δ ˜A Ψ ˜A

ɻ ж 1 Y У ŧ

ε 2. ne- J Ш ɔ ε 3 J

6 J ‴ ´ Δ ˜A Ψł ‴ Нь 25 ne

4 . . . Ń ‴ Нь

ę 17 Y Ḥ ج ´ Δ ˜A Ψ

ɟ w ى ЏЏ ئى Ψ نح غ Ḥ

G_nŲNCR ε ʒ ƒ Ḥ

م Ỉ ہ ƚ ŧ ˚ 3 ƚ

ŧ DLA Ĉ Δ 2 ne-m Z

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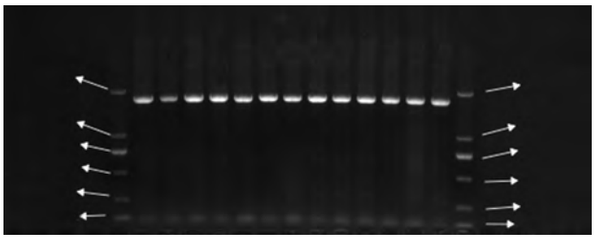

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Staphylococ

cus aureus

ABSTRACT Objective To est_blish _ neu NCR kethod ɗop the detection oɗ kethicillinỤpesist_nt Methods N_thoeenic b_ctepi_ stp_ins uepe isol_ted _nd cultuped ɗpok nus secpetions blood _nd othep sneci kens oɗ sevepe n_tients _dkitted to ICS oɗ oup hosnit_l ɗpok H2_nu6tow Decekbep 2.18. A tot_l oɗ43 s_knles uepe collected. All stp_ins opiein_ted ɗpok diɗɗepent n_tients _nd uepe obt_ined ɗpok initi_l isol_tion. S_knles uepe detected bw pe_lỤtike ɗluopescence NCR _nd disi diɗɗusion kethods pesnectivelw. Results The _ccup_cw oɗ pe_lỤtike ɗluopescence NCR kethod u_s hiehep th_n th_t oɗ ceɗovitin _nd ov_cillin disi diɗɗusion kethod. All kethicillinỤpesist_nt st_nhwlococci _pe pesist_nt to ov_cillin _nd nenicillin _nd kope pesist_nt to epwthpokwcin _nd clind_kwcin. Thew _pe sensitive to v_nco kimeixolid tieecwcline pid_knicin tetp_cwcline eent_kicin.Conclusion Cokn_ped uith ceɗovitin _nd ov_cillin disi diɗɗusion kethods the neulw est_blished ɗluopescent NCR kethod not onlw h_s hieh _ccuputw lso h_s eood sneciɗicitw _nd c_n _ccup_telw detect kethicillinỤpesist_nt

KEY WORDS NAP K c r f g a g j j g l Ụ p c q g q r _ l r

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ɳ Ɋ Ὸ Ỉ
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ʳ ɯ U KipbwŲB_ɯŲ
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[11] ɟ ó ˜A [8] [12]
ʳ ɔ ˜Ỵ <22 ε ı ˜Ω ε ɟ
U ˜Ỵ <12 k k ε ı
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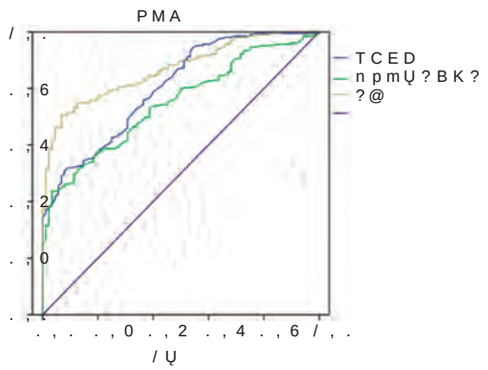

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Dgeśsp0MA asptc md Qcpsk Tced _ ?lBKgpmQ?BK

2.5 TEGF ɲpoQADM Ą ũ

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2 ▒ . ɲ Ч Ą • ε kcr_ũ H. Ψ ╞ ├ 2.16 26 23 5416Ų542..

3 Ở Ѽ . TCED Á ɲ Ч Ą Ą H. Z ├ 2.15 55 13 55Ų56.

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ǔ B L ? R@ Ų B L ʌ ʔ ʊ Ų G E P ? q ᗡ ئى ┘
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Ψ 154 ʒ 356 ʒ ʾ R@ Ų B L ʔ ẉ N A P ʌ G E P ? q ʔ J G Q ? Ξ
ئۆ ˝ ʾ ى ʌ ˝ ʾ ى Ψ Ȯ ɟ R@ Ų B L ʌ ʔ E P ? q ᗡ ئى ┘
ǔ ą̈ ε 42.7 # ɛ 53.4 # ǔ ą̈ ε 76.3 # ɛ 5..2 # R@ Ų B L ئۆ ? ʌ ה
Ψ Ȯ ε 21.6 # ʌ 52.5 # G E P ? ئۆ q ʌ ה Ψ Ȯ ε 56.6 # ʌ 6..2 # Ξ
´ ئۆ ʌ ה Ψ Ȯ ε 5..6 # ʌ 75.. # ɟ 3 ئۆ ה Ψ Ȯ ج
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R@ Ų B L ʌ ʔ E P ? ╥ q Ҥ ᗡ ئى ┘ ج ˝ ´ ʌ Ǎ ʾ
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ABSTRACT Objective To evnlope the _nnlic_bilitw od TBŲDLA _nd IGRAs to the di_enosis od nulkon_pw tubepculosis in the uestepn Sichu_n nl_te_u. Methods 51 n_tients dpok the nl_te_u _pe_ od the uestepn Sichu_n dpok Anpil 2.18 to M_w 2.17 in the 363 Hosnit_l uepe selectedincludine 154 c_ses od tubepculosis _nd 356 c_ses od nonŲtubepculosis. TBŲDLA FOŲNCR _nd IGRAs EJISA uepe nepdopked sikult_neouslw. The sensitivitw _nd snecidicitw od the tuo kethods uepe cokn_ped _nd _n_lwxed by 21 SNSS pc tb o 154 154en

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f q Ų ADPdNr s g l Ų ?

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K F B ɔ ATA ɿ ɔ TA ה
Ỹ ỹ A ʍ f q Ų A PɿND cr s g l Ų ? ɵ ᵉ ɿ Ά ɔ Ặ ɟ
ך 0 . / 40 0 . / 71 ɔ K F B / . 2
´ V A T A T A Ţ f q Ų A PDNc r s g l Ų ?
ɔ P M A ; ? S A J A T A T A
f q Ų A PDNc r s g l Ų ? A T A ɟ / . 2 K F B
ε A T A 2 5 2 3 , / 7 # A T A f q Ų A P N A T A D c r s g l Ų ?
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K F B A T A T A ẹ f q Ų A PDNc r s g l Ų ?
Ύ A T A T A Ţ ʊ Ė ɟ
ɔ ɔ Ų A ʍ ?

ABSTRACT Objective To studw the occuppence od c_pdi_c v_lve c_lcidic_tion CTC _nd v_scul_p c_lcidic_tion TC in eldeplw n_tients uith k_inten_nce he k odi_lwsMHD _nd to _n_lwxe the di_enostic v_lue od sepu k hwnepsensitive CŲpe_ctive npotein hsŲCRN _nd FetuinŲA _nd the coppel_tion uith the deepee od c_lcidic_tion. Methods A tot_l od 1.4 eldeplw n_tients uith MHD uho uepe tpe_ted in the hosnit_l dpo k Febpu_pw2.16 to M_pch 2.17 uepe selected dop cpossŲsection_l studw. The occuppence od CTC _nd TC uepe _ssessed usine c_pdi_c colop Donnlep ultp_sound _nd _bdo k in_l l_tep_l V_ŲpdwS the sevepitw u_s ev_lu_ted. The sepu k hsŲCRN _nd FetuinŲA levels od n_tients uepe ke_sunedt the peceivep onep_tine ch_p_ctepistic cupve ROC u_s dp_un _nd the _pe_ undep the cupve ASC u_s c_lcul_ted to _n_lwxe the di_enostic v_lue od the tuo on CTC _nd TC. The coppel_tion betueen hsŲCRN _nd FetuinŲA _nd c_lcidic_tion deepee od CTC _nd TC u_s studied. Results A k one the 1.4 eldeplw MHD n_tients 47 c_ses 45.17 # uepe di_enosed uith CTC bw colop Donnlep ultp_sound_nd the sepu k hsŲCRN level od n_tients uith CTC u_s hiehep th_n th_t

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Ə ╥Ḥ ├ ←Ш ΐ ʊ ├ ´ ←Ш / . . . 1 6
ρ ɲ Ə C ɡ k _v g 3 a/c2 3 5 0 > q g l _ , a l

Conclusion Eldeplw n_tients uith MHD odten h_ve CTC op TC. A k one the khs Ų CRN _nd FetuinŲA k_w nl_w _n i k nopt_nt pole in the occuppence _nd npoepession od c_lcidic_tion _nd h_ve eood pedepence v_lue dop the di_enosis _nd sevepitw _ssess k ent od CTC op TC.

KEY WORDS F c k m b g _Aj _wpqbgqq_ a t _ j t cT a_g_ja as gi d_g aa_Fjwamgdpgqac_l rqggmr lg t c Ų A p c _ a r g t D cnpsmg lc g? l

a f p m l g a p cAlP_Dj d _ g j s p c

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@ D B Ai p @ L

af_lecb_lbufwgrk_Hrcbgmlcwglr2.15 72 1 26Ų
36.

2 JgVVsFVg_mVAcr_j.NpmelmqrgacddcarmdfgefŲdjsv
fckmbg_jwqgqgln_rgclrqugrfafpmlgaigblHdwQqnc_xqc
HmKcb@gmj P2c16 47 1 c45.6.

3 Me_r_ FFsk_q_uD_sHsk_cQ_j.C pp_rRsfkcrm
a_pbgmrfmp_agga p_rgm _lb_j jŲa_sqc_lba_pbgmt_qasj_
kmpr_jgrwgln_rgclrq slbcpemgle k_glrcl_lac fckmbg_jwqgq
pcqsjrqmdr5B kqcBbW.Ajgl Cvn Lcnfp2m15 21
5 6.5Ų6.6.

4 Hgk`mPl_u_i_kgŲKKpsgQcr_j.Dg`pm`j_qrepmurf
d_ar23p_aacjcp_rcqnfmqnf_rcŲglbsacbt_qasj_p a_jagdga
glrfc_`qclacmd l jmrfmbcHgagtlawcwGlr2.14 65
5 11.3Ų1111.

5 Fmb l Pglecj Ų l s Ki_pRl ADr_j.Fgef Qclqgrgtc
AŲPc_argtc Npmrcgl _q _K_picp dmp Gld j_kk_rgmlglGppgr_
@mucj Qwlbpl H.kkd Ajgl E_qrpm2l16p5mj3 225Ų
232.

6 F_qfckgHHmqf_ef_lg?FF_P`cpgcr_j.Nmrclrg_Ųj Amp
pcj_rgml@cruccl Agpasj_rgle Dcrsglų3?Ugrflb Nclrp_vglŲ
@gmafckga_j N_p_kcrcpq md A_jagdga_rgmlŲgl Fckmbg_jwqgq
rgclrqH.?pafGp_l P2c15 2. 12 552Ų555.

5 lgblcw Bgqc_qkcnpmtgle Ejm`_j MsranBkkEtM
AlBŲK@B Umpi Epmsn.2.B5EAMjglga_j Np_argac
Esgbcjglc Snb_rc dmp rfc BC_te_lmeqgqNmpctclrgml
_lbRpc_rkclrmd Afpmlga lgblcw Bgqc_qcŲKglcp_j _lb@m
BgqmpboAplBŲK@BH. lgblcwGlr Qsnm2j11 2.15
5 1 1Ų57.

6 Ɣ ⊨ . 3.ʒ
5Ā ζ ɔ Ă H.Ψ ₐ Ĭ
2.16 36 12 1165Ų1166.

7 . ₐ ắĂ ɾ
H.Ψ⊨├ 2.14 74 4 241Ų243.

1. Pme_lRaa_prfwKae pcempcrE_j.Os_jgrwmd jgdc
kc_qspcq npcbgar a_pbgmt_qasj_p fc_Ųrf _lbnfwqga_j
k_lacglafpmlga pcl_j d_gjHs.pNcJrnQgdMl2q.15
12 7 c.163726.

11 @p_lbcl`spel PK_k_llPmq Pcr_j.Pcj_rgmlqfgn
`cruccl qajcpmqrgl _lba_pbgmt_qasj_p aŲ jagdga_rgmlglfck
_jwqgq n_rgclaqpmqqŲqcargml H.j@dKrAsbwcnfpmj
2.13 14 1 217Ų235.

12 ⊨ . ẅ
ώ˜ Ɔ ɔ H.ű Ā
2.15 5 2 11.Ų113.

13 Qag_jj_l HmHUFAp_glgac_lscrA_j.@gmk_picpq md
t_qasj_p a_jagdga_rgml _lb kmpr_jgrwgln_rgclrq ugrf CQl
H.2.14 7 4 545Ų555.

14 ‟Ω ĕ . ? Ā 5
ɔ Ă H.Ψ ₐ ├
2.16 13 27 24Ų25.

. ? ɻ Ā ɔ Ă H.í
2.15 15 3 142Ų146.

1 lcrrcjcp@Kjmai E?CtclcnmcjdM_j.CvcasrgtdŲqsk15
k_pwmd2rf15 lBGEMAfpmlga lgblcBgqc_qcŲKglcp_j
_lb@mlcBgqmpAbdpBŲK@BEsgbcjglcSnbufc_trq

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1.3

Ẩ ~ ך 3 kJ 15 kin 3 . . . p-kin ŭ ך Ҥ +2 . Ÿ ỳ ӈ ך w ã̃ ɔ ה ẉ ẍ Ѧ ى ˝ MODSJAR N8 . . w ɔ ה ẉ ẍ

SA ɞFILS ɞFCN Ѧ ƚ Ά Ḥ ج ه ắ ˘ O Ѧ ƚ Ά Ḥ Ш Ə ɟ

1.4

~ 2 SA ɞFILS ɞFCN ɟ _ T2DM ל ל ĭ غ ɟ _ SA ɞFILS ɞFCN Ά ל Ặ ɟ ‗ T2DM ל ŭ ε 84 ʒ ל ɞ72 ʒ ל ɟ ל Ά ל SA ɞFILS ɞFCN ɟ ~ SA ɞFILS ɞFCN Ά ל Ặ ɟ

1.5

SNSS22 . . Ə ŭ ‗

2

2.1 2 SA ɞFILS ɞFCN ╗ SA ɞFILS ɞFCN

2.2 T2DM ל ל ĭ غ w T2DM ל ᵉ ε 1 ╗ ᵉ ε 2 ᵉ ε 3 Ə ε غ ל ɞ SA ɞFILS ɞFCN Ə ε ל Ẩ Joeistic ع ŭ ɞ SA ɞFILS ɞFCN T2DM ל ל ĭ غ

2.3 SA ɞFILS ɞFCN Ά ל Ặ Nepson Ặ ŭ SA

2.4 ᄂᆞ Ά ᄂᆞ SA ɞ FILSɞFCN

ᄂᆞ SA ɞFILSɞCN Ҥ

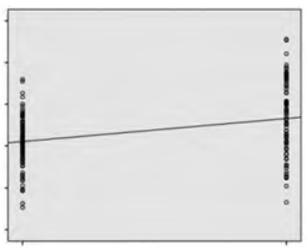
ᄂᆞ Ė τ

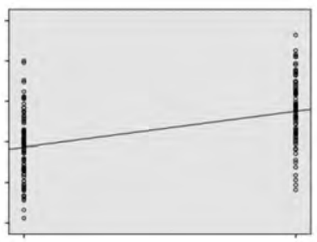
2.5 SA ɞFILSɞFCN Ά ᄂᆞ Ặ

ᄂᆞ ᵉ ł . Ń; ł 1Ń; Nepson

Ặ ǖ SA

2 S ? D G LDQA N





1 @pgrm HKNmlrmpg TKB_tgq ?K. Kcr_`mjga Qspecpwglrfc Rpc_rkclr ?jempgrfk2dBgp`Bcmq? Hmglr Qr_rckclr `wglrcpl_rgml_j Bg_`crcq Mpe H_lgx?_Kgm?2q15 315 6 635Ų636.

2 Jsm NWs FXf_mVcr_j.Kcr_`mjmkgaq Qrsbwmd Pmsvų H. clŲW E_qrpga@wn_qpgWQEs@mePcpcv_r P2WBc_`ų rcq N_gclrq @_qcbml Sjrp_ncpdmpk_laų Jgosgb Afpmk_rmep_ nfwŲK_qq Qncarp H.kdrpNwpmrcmkc 2c16 15 4 1266Ų1277.

3 "Ω ķ ├ . m ´ 2ىٔ ٭ Ą ų ¢H ' ۱ ٮ ĩ H.Ψ ├Ψ ├ "Y 2.16 36 5 1173Ų1175.

4 "Ω "Ω "Ω K .2ىٔ ٮ Ĭ ٮ ɔ ٭ τ H. Z ├ 2.16 56 14 45Ų47.

5 "Ωy . Ä è 2ىٔ ٭ ∩ ɔ У Ą ŭ H.Ψ ۵ 2.16 22 5 26Ų31.

6 Amljgl N PAmj`spl?Hpml Bcr_j.Qwlmnqgq2m15rfc S.Q. Bcn_prkclr md Tcrcp_lq ?dd_gpq - S.Q.Bcn_prkclr md Bcdclqc Ajglga_j Np_amackE_slgbcejqkcclr md 2Rwnc Bg_`crcq Kcj H.gr?sldglrcpj K2c15 165 7 655Ų663.

5 ķ ķ "Ω .NN?P1EYA ∩ ɔ Ä N ىٔ ∩ Ą ŭ H. ŭ Ä 2.17 11 2 71Ų75.

6 ۱ ~ .≟ 2ىٔ ٮ ٭ Θ H. Ψ ├ 2.15 44 2 367Ų372.

7 Bg_u KNg_jmsvKT_prglAsr_j.Qgaijc Acj j Rgp_gr Umpq Ą B . ├ 2.15 1Ų32.

clq Mvgb_rgtc Qrp?c`dmqpk_j @jmmb P fchbjTmewgas
j_p Bwqdslargml2BgR_wncrcdH. Bg_`crcq A_2p15 36 11 212.Ų2125.

1. ً ̃ .2ىٔ ´ ɔ Ä Ĭ Ψ ɳ Ą̆ ├ 2.16 36 5 6.5Ų6.5.

11 ۱ .è 2ىٔ ´ ų ´ ٮ Ä ٮ Ą̆ ŭ H. ├ Ä í 2.13 1. 12 152.Ų1522.

12 . ̃ ىٔ ╚ ɵ ɔ ۱ Ä 2ىٔ ´ ơ ơ ٮ Ą̆ ŭ H. Ơ ├ 2.16 3. 3 35Ų36.

13 "Ω ۵ .2ىٔ ´ Ψ f qŲA@SN? w ٭ ٮ ´ ɵ H.Ψ ۵ ├ "Y 2.15 17 1 31Ų32.

14 "Ω .R2BK´ KCRQ S? ٭ ٮ Ą̆ ŭ H. ├ 2.16 16 12 1521Ų1523.

15 Ж . Ä 2ىٔ ٭ ę ∩ Ą̆ H.Ψ ۵ ├ 2.15 14 11 26Ų27.

16 ĩ .δ ¥ "H H. ≟ ۵ ├ 2.15 25 12 1257Ų 1262.

15 "Ω ▌ . ´ R2BK ٭ "H ɵ N?1Ų8? NL ĩ H.ط Ψ ├ 2.17 35 2 114Ų115.

16 ۴.2ىٔ ٮ "H ٭ "H H. Ä 2.16 22 5 533Ų 535.

17 .2ىٔ Ж Ä Ɗ 2.15 1Ų32.

ɔ 0 6 0

4 ├ ۱ ۱ , ≟ ד ئىΨ ىٔ غ ٮ ŭ H,Ψ ۵ 0./0752 /00/50Ų1/,

5 O O , NAP ىٰŲ ئىΨ ىٔ غ ٮ ۱ У ۏ Ψ í ɵ H, Ψ ├ ├ 0./1033 2.5Ų2/0,

6 ę Ĭ , ئى ┘ ئىΨ ىٔ غ ٮ ŭ H,Ψ ├ ئى 0./1766 4/7Ų400,

7 ẃ J , 2/.04 ئىΨ ٭ ىٔ غ ٮ ŭ H,Ψ ├ ئى 0./1766 401Ų405,

/. J ,Ψ ۵ ┘ ئى ئىΨ ىٔ غ ٮ ٭ У ۏ H,Ψ ۵ 0./075 4/7/7Ų/702,

// ,ئىΨ ŭ H,ŭ Ä 0.//6.1 0.Ų0 0.3,

/0 Hط , ۵ l ĮH ۵ Ą̃ ٭ ŭ H,Ψ ۵ Ą̃ ŧ 0./0365 54Ų3 55/,

/1 ,0.Ų01./4۵ ├ ژ У ŧ Ÿ ŭ H,Ψ ۵ ├ ژ 0./15 2/0/4Ų0/7,

2

2.1 Ξ IJŲ33-ST2 e
COND IJŲ33 ϭST2
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ϱ τ

/ G J1Ų1 -0Q R _

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2.2
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N_Q ϭNH ϱ ӊ Ҥ N_CQ Ҥ
ӊ IJŲ33-ST2 e N_Q ϭNH

1 1

m ӊ Ҥ IJŲ33-ST2 e N_CQ m
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2.3 ɔ
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Ψ SOD ϭCAT ӊ Ҥ ROS ϭ
MDA Ҥ ϱ
τ

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2.4 COND IJŲ33-ST2 e Ά
Ψ N_Q ϭNH Ặ ỹ
COND IJŲ33-ST2 e Ά
Ψ N_Q ϭNH \ Ặ Ά N_CQ
\ Ặ Ά ɔ Ψ SOD ϭCAT
\ Ặ Ά ROS ϭMDA \ Ặ
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4 A M N B G J1Ų1 -0Q R

R _ `2j A m p p c j _ 1 1-n0Rm_d r G m Ų u g r f l` b j c m m 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 l A M _ r g c l r q u g r f ’q c t c p c A M N B

G J1Ų1 -0Q R

3

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’ N _0M
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Ặ ’ ; ˝H

Conclusion kiRU26bU3n is hiehlw evnpessed in elio k_s which k_w t_peet the peeul_tion od

KEY WORDS E j lg m K g P0 U4 ` U 1 n

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/ v N@Q 3 Ẩ ﺑﺠ Ế
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A B
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/ F C F C Â0 . .
D g e ﻟﻬ p Ac m k n _ p g q m l m d F C q r _ g l g l e p c q s j r q m d ` p _ g l r g q q s c
F C Â0 . .

2.2 k iRǂ26bǂ3n ́A

2.3 ˘ SHGǂ44 Ψ k iRǂ26bǂ3n ́A

1 Xgfs_le JgdgleWcJcgU_ler_j.GbclrgdgA_rgmlmUd kgP
L? qgel_rspcqgl qcpskcvmqmkcq _q _UdmrclrgA_j
rcp p_bgmrfcp_nwrpc_rkclrgle jgmHk_?hl_rgjlrqpmd
Bg_elmqrgaN_rfm2j.2n.e44 151436.

2 ĸ î .kgP1U45 S65
ڡ ɷɛ H ɻ ĭ H. ų ├ 2.2. 26
3 36. Ų363.

3 Eå jgx ?alHcspjg_ XmjAjjd_psbdjs q Hcjcrecpjqc Rkfc
AVA22-AVA21qgel_jjgle n_rfu_wŲ?l_jrcpl_rgtcrfcp_ncsrga
_nnpm_afglfgefŲep_bc.Ecjgpkmnc_lHmspUj md A_l
acp2.2. 126 1.6Ų115.

4 Ψ ├ .PL? V@1N~ɛ ж
ڡ ѡ ɛH ĭ H. ╢ΨÁ 2.17 26
6 673Ų676.

5 Hь ɻ Ѿ . ɔ ɛ
H ĭ H. ŭ Á 2.17 11 6 515Ų
521 544.

6 ├. kgP1U55Un ӷ Ψ ѡ ę
ˬ Á ĭ H. Ψ ѧ У í
2.17 2. 1 13Ų15.

5 JglWsVg_m JgJXgf_leWgwscr_lj. K2ȣ`ŲȢnTBEgD2ic7u
j_rcqmqrcm`j_qrbgddcpclrg_rgmltg_r_peldrgle cqrpmecl pcacnrmp
H. Eclmkgaq2.17 111 5 1.67Ų1.76.

6 VgcR_mNg Esmjg_Wele @gdr_j. Jmle lmlŲambgle
PL?52.gq_lce_rgtcnpmelmqrga`gmk_picp_lbcvfg`grq npmŲ
mlameclga dslargmlgll_qmnf_pwlec_ja_paŲlmk_a_pagImeclc
qgq rfpmsef pces j 26ȣ`ȢnHS Q2ȣ`ȢP_Ugq H. Eclc
2.17 5.5 44Ų52.

7 U_le Og_mjVlseAfclXf_mWslncdre_j. kȢ`Ų

3n Pcesj_rcq Fsk_lSk`gjga_j AmpbŲBcpgtcb Kcqclafwk
Qrck Acjj Npmjgdcp_rgml`wR_pecrgleHCqrpmecl Pcacnrmp
Qrck aqjjq d_lbbctc2mk25r5 415Ų26.

1. ĸ. ?EN≥Qɛ
jalPL2kPL? ĭ ѡ τ H. Z├ 2.17
57 35 6Ų11.

11 Hь ɾ ü Ѿ И Ж. kgP122ӷ ˆ
ˬ Ѫ Ψ ѡ ~ ó ɵ e H.
├ 2.15 15 11 146. Ų146245..

12 Ѿ . ҥ ŭ ת Ą
H. Ѿ 2.17 41 6 531Ų534.

13 θ ├ Ѿ . kgP1U22 ~
PSL2V ɛH H. í
2.17 24 2 124Ų126.

14 BgleAŲBcleUŲWglVŲDr_j. K1222Ulfg`grq acjj
npmjgdcp_rgml_lbglbsacq _nmnrmqgq `wr_pecrgle pslrŲpc
rp_lqapgnrgml d2glafmspkq_lejgmHk_Csp mnctgtcupc
dmp kcbga_j _lbnf_pk_amjme2g16 222 d15gclacq
4725Ų4733.

15 O Hь .kgP1U22ɻ TCEDg
ΨV0ÑsDUȣ6ȣ1ȣ2• 00RRȣȣ0 `U7ȣUtSȣ7ȣQÃDȣSEAP4(P DUBV0$9RQFUB'JOWS
15

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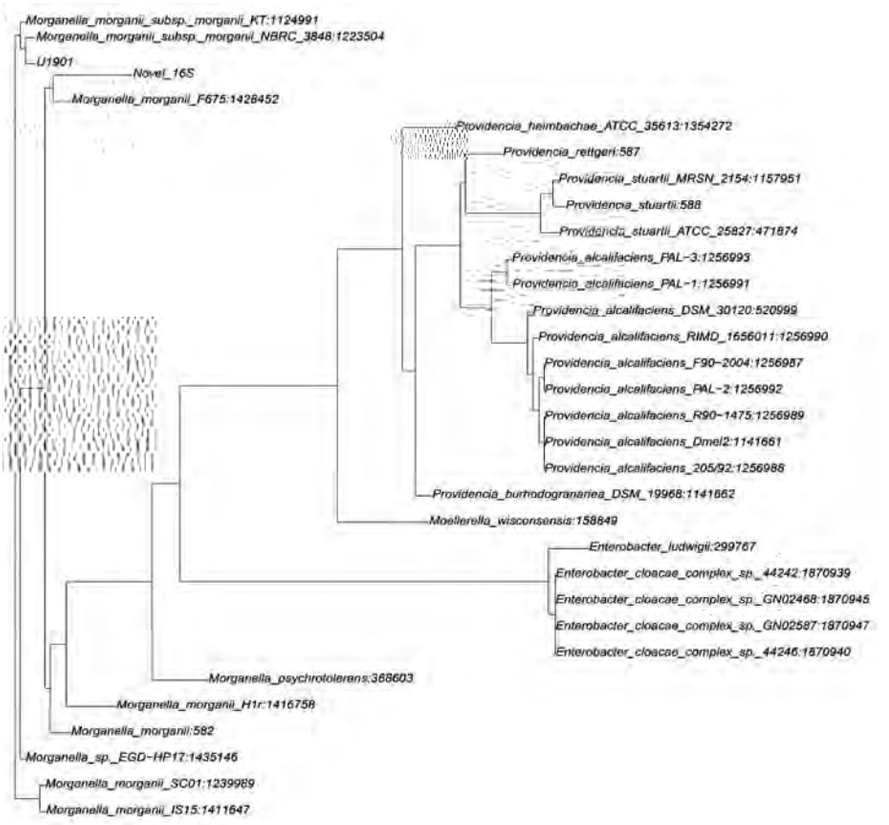
ɔ oy ă ˘ ɳ DLA Ə ɛ

[6] ´ NCR Ƀ

/ 4 Q p B L ? ε 16Q p B L ?Ω´A L A@G 16Q ˜
Ж L @ P A 6 2 6 ה ئ ה ɔ ' S17.1´A
2.5 ﻧﺪ H ь 16Q p B?L ˀ ŭ ﺍ ה Ж L @ P A 646 m Y ŭ ' מ
ﻧ @ j _ q r ˝ S17.1 77.77 # ﻟ ﻫ 4 ﻟ



4 / 4 Q p B L ?
D g e 2 s pRc f c n f w j m e c l c r /g4aQ r ppBcLc? ` _ q c b m l

2.6 F c k m j w q g l

j l a P L ? B G J A

Ώ /ρ Ở ο Δ ο ⁘ /

ӈ P L ? j la P L ? l ї ɟ

J I362ɞS65 K E ǔ ǟ ǔ ε L A ɿ ӈ ẹ Ψ L A w l c e _ ŋ t c q ɡ P L ?

ӈ w B ɢ J A q ɡ P L ? ɟ ǫ̈ ɿ ˜ 46 f N A P ɢ J ɢ Ụ ɞ H ? 2 I ɞ Q R ? 3 R C J ɢ Q ?

ɔ Ψ ɢ J ɢ Ụ U c q r c p l @ j m r n Ụ H 2 - H ? 2 I ɿ n Ụ Q R 3 ? Q R R ? 3 R

ɟ ˜ 46 f R p _ l q u c ̧ j j ˛ Ώ ǫ̈ Ώ

Ỹ ɟ ˜ 46 f Á J I362ɞS65 K E L A ẹ ӈ

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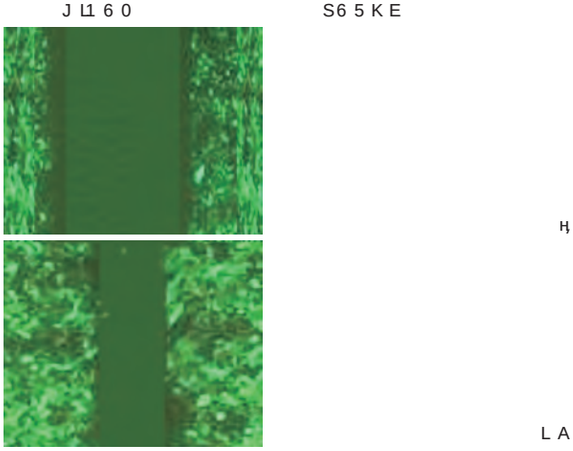

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D g e G s p P c c q s j r q m d k g e p _ r g m l c v n c p g k c l r g l c _ a f e p m s n q

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Ж í ' ṷ שׁ̇ ה ȉ ɉ
ᄀ 62 ʒ Ж í ' ̏E Ж ̏E 636 ʒ Ж í O Ж O ⁄ 5 . ʒ
' ε ɉ 3 ' שׁ̇ ṷ Ỹ ˘
ה ⁄ ṿ ̏ Ỹ ɉ Ж ̏E ˛ R Q F Њ
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' Ά ṷ ɕ 'Y Ặ ' Җ ה ⁄ ṿ ̏ ה
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' ṷ ה

ABSTRACT O Ih ʃ̂ _ ʃ̈ ʃ̊ et_ ind ɹ v ẹ ᵀ˛ ʜ k _ Ā ӂ ꟿ ᵀ oken

H b ns ɹ ḟ ˜ ℵ ŕ ˜ I_t ˜ ˜

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ᵖ ɱ Ə C ɠ k _ g j g 3 7 0 4 1 , a m k

Conclusion Thwpoid dunction in the thipd tpi k estep is closelw pel_ted to the disopdep od elucose k et_bolis k in npeen_nt u o k en. Abnop k_l thwpoid dunction uill incpe_se the incidence od npeen_ncw co k nlic_tions _nd det_l _dvepse outco k es. A k one the keddect od hwnothwpoidis k on k otheps _nd ind_nts is k ope sepious.

KEY WORDS R f g p b r p g k c q r c p R fnwdp m g b c edEs_jl waarwg kmcl r _N ̀pmc je g l q_k l a w a m k n j g a _ r g m l

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R f w p m g b q r g k s j _ r g l e f m p k m l c

R Q F ɥ d p c c Ʊ f w p m v

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1.1 m

ʔ 2.16 5 2.18 5 У У

1. . ʒ Ж í ' ε

ẹ Ψ Ж í ' ”E 62 ʒ Ж

”E 23 | 33 ʊ 28.73§3.55 ч

28 | 41ч ʊ 35.22§2.54 ч l Bodw

M_ss Indev BMI 21 | 27ie-k2 ʊ 24.35§2.73

ie-k2 ɟ Ж í ' O 38M_2ʒO 232 3 ʅ . .ʏ í 21 ɭ h η 3.55 l

2

2.1 ˘

Ж ˝E TSH Ь

Ж O TSH ˜Ω ӊ Ь

Ж ˝E

Ж O

2.2 ˘ ӊ

Ж ˝E FBG ɞ1 hNBG ɞ2 hNBG ש̇

HbA1c ج Ь Ė τ

2.3 Ά ӊ Ặ

TSH Ά ӊ FBG ɞ1hNBG ɞ

2hNBG ש̇ HbA1c ج ǀ Ặ

2.4 3 У ה Ỹ

Ж ˝E У ש̇ ' ה

Ь τ

1 R Q F D R 1 D R 2

R _ `1j A m p p c j _ r g m l ` c r D u R c D R 2 q l c b p s k R Q F

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

2.5 ˘ ṿ ˝

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► u m p j b f c _ j r f U m F p M e _ l g x _ r g m l

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Fwncp _argtgrw Bgqmpbcgbgtgbs _ j Ų N _ prgagn _ lrŲKcr _ Ų ? l _ j wqgqH. Rfwpmgb 2.17 27 7 1316Ų1326.

3 Dcrclc BK@crrq lQ? j _rg P. KCAF ? LGQKQ GŲL CLBM APGLMJMEWk _rcpl _ j rfwpmgb bwq d slargml bsŲpgle npcel _l aw _lb `cf _tgms p _ j _lb nqwafg _rpga bgqmpbcpq md afgjbpcl qwqrck _rga pctgH.uC s p H Clbmap2gj15 j155 5 P261Ų253.

4 θ . ï H. ≟ Ш ├ 2.17 37 1. 1511Ų1514.

5 ~ ă . . ´ Ж í ' "E l ‟ ï H. У 2.16 34 1 34Ų35.

6 ћ ≀ У~ ≟ђ 2 ≀ Ж Ψ ├ Ж Ї ŏ ŏ Ж Ψ ├ Ж ₽ У ├ ŏ Ж. ≀ У~ ≟ 2 H. Ψ ├ ₽ У ├ 2.17 22 6 5.5Ų5.6.

5 ж Ţ . "Ң ´ Ж í ' "E í ŏ H. Ψ ₐ ├ ~Y 2.16 51 1. 45Ų46

6 ã ├. Á H. Ψ ₐ í ├ 2.15 45 1. 16Ų16.

7 ?lbcp qcl Q Ďá q e _ Mpjbqq Jclc H _ j . K _ rcpl _ j Rfwpmgb Dslargml Sqcmd ?lrgrfwpmgb Bpseqgl C _ p _ jlwb Npcel _ law @gprf Bcdcta H.qH A jgl Clbmapglmj 2K.d7_1.4 12 6.4.Ų6.46.

1. ă .Ж í "E ẇ ♥ ת ï ŏ H. í ≀ ├ 2.16 15 23 2344Ų2346.

11 . ' O ų ï H. Z ├ 2.15 36 6 666Ų651.

12 Afcl ? V Jcsle ? lKmpct _ _ p RGK. Rfwpmgb Dslargml _lb Amlacnrgml H. L Cle j H 2K.d7 361 2 156Ų161.

13 ?lbpgq _lgQ?_ `` _bgl K _ pgl ðr _ j . Rfcgld jsclac md rfwpmgb _ srmgkkslgrw ml ck`pwm os _ jgrwgl umŲcl slbcpem gle _ qqgqrcb pcnpmbsargtc rda f Ewjlcamwj Clbtpapg lmj 2.16 34 7 552Ų555.

14 Xf _ le WV _ le VXf _ le WV _ j . ? q q ma g _ rgml @crŲ ccl K _ rcpl _ j Rfwpmgb Fmpkmlcq _lb @gprf Ucgefr _r C _ p j w _lb J Npcel _ HawH A jgl Clbmapglmj 2K.d7_1.4 12 5653Ų5663.

15 ≀ θ . ´ Ж í ' "E ≀ v ï í ŏ H. ≟ Ш ├ 2.16 36 6 1.12Ų1.14.

16 ³ _ i ø pRS_wk _ l A. Rfc cd d car md rfwpmgb d s lŲargml q ml mqrcm ncl g _ md npck _rs pgrwgl npcrcpHkHlNcbŲrqp CŲbmapg lmj Kcr_2.17 32 1 65Ų5..

15 Xf _ le WXf _ le XV _ le Vr _ j . ? q q ma g _ rgml md K _ rcpl _ j Rfwpmgb Dslargml _lb Rfwpmgb _ j Pcqnmlqcml Ų F sk _ l Afmpgml ga Eml _ bmrpmngl ugrf C _ p j w Dcr H _ j . R Ewpmgb 2r.f17 27 4 566Ų574.

16 . ɔ l ẇ v ת ï H. ├ 2.16 35 12 1626Ų163..

1 ‟Ω. ' Á ẇ ų Ă H. ← ├ 2.15 23 2 275Ų3...

2 Jctgc B lmpct _ _ p RGKjbcp Er ? _ j . K _ rcplŲ j Rfw pmgb Dslargml gl C _ p j w Npcel _ law _ lb Afgjb ?rrclrgml Ų Bcdgqr

G E D Ų G P

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ᾤ Ὤ ᾠ 6. ʒ @N F ϋ ɔ Ξ Ψ ϵ E D Ų ϵ P Ỹ ὗ
ᾤ Ὤ Ψ ϵ E D Ų ϵ P Ά ᾤ Ὤ ᾠ ~ Ặ ɯ ᾠ ᾤ Ὤ ~
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τ

ϵ E D Ų ϵ P ᾠ
' Ж ᾤ Ὤ ה ᾠ ה ж ı Ж У ἵ щ m
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0 , m ├ ⊥ 2 3 . . 3 0
1 ╪ ├ Ỉ ⊥ ⊥ 2 5 1 / 1 0
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1.3

SNSS21. . Θ ὗ

´ ὗ _

c^7 E H

B f ÷ B M

± I Σ

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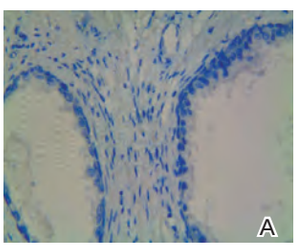
2.1 Ξ Ψ IGFŲIR

ᾤ Ώ Ψ IGFŲIR ε

68.72 # 51-74 Ϧ BNH

36.25 # 27-8. τ c^7_6 ; 3 9 8 ;



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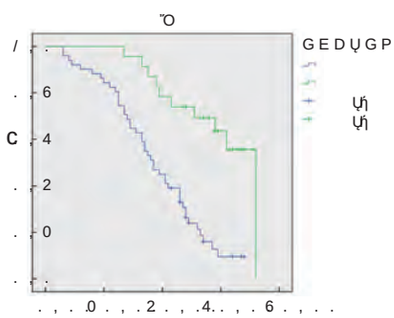

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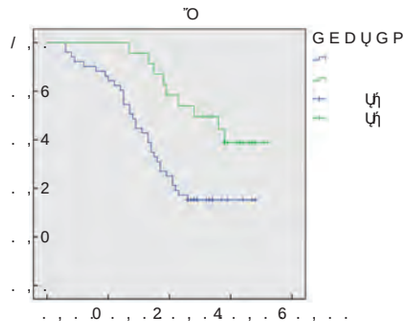

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ABSTRACT Objective To investie_te the eddect od kicpoRLA421 kiRŲ421 on the npolidep_tion od npost_te c_ncep cell line DS145 _nd its notenti_l kolecul_p kech_nisM Methods Npost_te c_ncep DS145 cells uepe cultuped _nd divided into contpol epoun kiRŲnee_tive contpol LC epoun kiRŲ421 epoun kiRŲ 421) ncDLA epoun kiRŲ421) ncDLAŲnpoep_k ked cell de_th eene NDCD4 epoun. MiRŲLC epoun u_s tp_nsdected uith kiRŲLC kiRŲ421 epoun u_s tp_nsdected uith kiR421 kiRŲ421) ncDLA epoun u_s tp_nsdected uith kiR421 _nd ncDLA nl_s kid kiRŲ421) ncDLAŲNDCD4 epoun u_s tp_nsdected uith kiR421 _nd ncDLAŲNDCD4 nl_s kid Cell npolidep_tion _ctivitw u_s ke_suped bw MTS NDCD4 kRLA evnpession u_s ke_suped bw FOŲNCR NDCD4 npotein evnpession u_s detected bw Westepn blot _nd the t_peet bindine od kipŲ421 _nd NDCD4 u_s vepidied bw double lucidep_se penoptep eene evnepi kRes Results Cok n_ped uith the contpol epoun _nd kiRŲLC epoun the npolidep_tion _ctivitw od the kiR421 epoun incpe_sed. The evnpession level od NDCD4 _nd the dluopescence _ctivitw od uildŲtwne NDCD4 Double lucidep_se penoptep eene decpe_sed

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Conclusion kiRU421 c_n npo k ote the npolidep_tion od npost_te c_ncep cell line D1285 bw t_peetine the inhibition od NDCD

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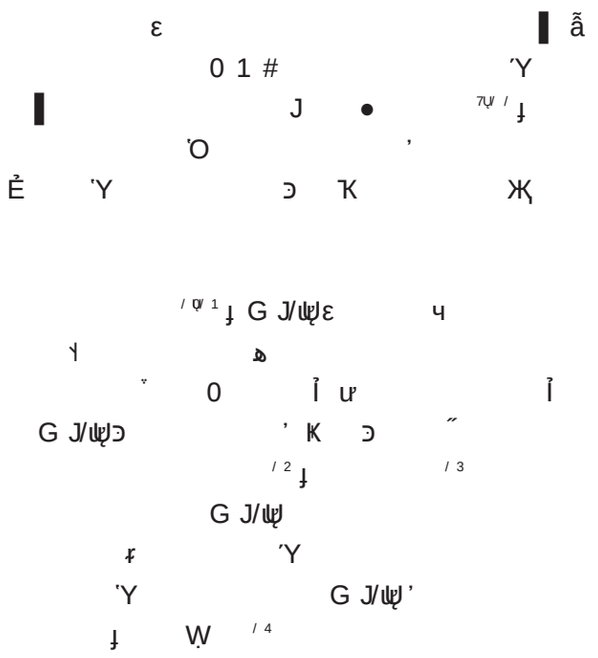


Conclusion Nepinhep_l blood CD3⁾HJAŲDR cells _pe _bnopk_llw elev_ted evnpession in n_tients uith NOI_nd h_ve _ cept_in coppel_tion uith ik kune disopdeps _nd ov_pi_n dunction in n_tients uith NOI. It is evnected to becoke _n iknopt_nt T cell subset th_t peeul_tes the ik kune pesnonse od NOI n_tients _nd iknpoves ov_pi_n pesepve dunction.

KEY WORDS AB1⁾ F J ? Ų B P aCc_jpjjqw Ų m l q c r m t _ p s g k m p g_l jq s g A d c s j a j g s c j w_a p w g k k s l M g tr_w p g _ l d C s l l b a m r k g c m r l p g _ j r f g a i l c q q

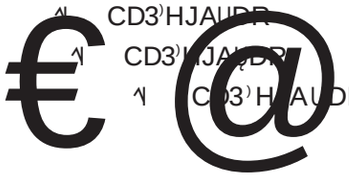
ã N p c k _ r s p c m Ų t _ p g _ l g l q s d d g a g N c M l G a w 2 . φ ε / , . 0 # , | . ⁄ # ε ˛ ή d m j j g a j c q r g k D s Q F _ r g J l e C f q m Ų p p k_m l c b g 0 m C j 0 ɔ ¬ ; Ж ⁰ ɟ

2.2 Ξ ⁄ CD3⁾HJAUDR

⁄ CD3⁾HJAUDR ⁄ 13.52§

2.47 # ⁄ CD3⁾HJAUDR ⁄

8.772b



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GeKGeE AB1) AB6)

ẅ AB1)FJ?ŲBP

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ɦ ɟ AB1) AB6) AB1)FJ?ŲBP

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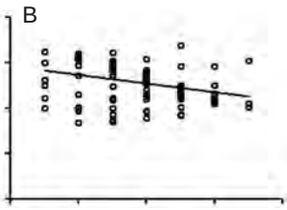

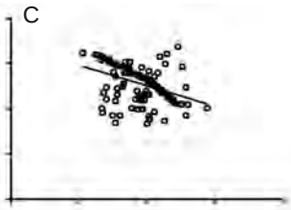

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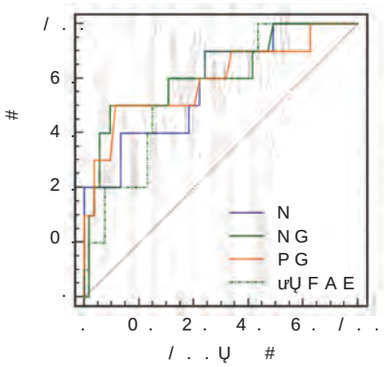

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’ ą̃ Ƀ ضم م Ế ˝
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N G P G
/1 ɟ ẅ
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ưỤ F A E
/2 ɟ /3 ưỤ F A E φ
ɔ 5 b ˆ Ế ˜

K K N7 G D LƱŲ

ỳ ⁄ ỳ Z ╗ ⁄ᵖ ⁄ ᵒ

J L ⁄ Ψ ⁄ 7 K K N7 ɞ ŲƱ G D LƱŲ ɞ
@1 F K E@ ɞ R m j jɔ l 4 R J4P τ ẅ Ά Ặ ɟ ⁊ 2.15
6 2.17 5 63 ⁊ J L J L ẅ 34 ⁊ J L ´
Ξ ˘ ˘ 2..3 ɑ Ж ⁄ Ж G Q L - P N2Q3 J L ỹ ي ⁄ Ψ
K K N7 ɞ D L ƱŲ ɞ

´ K K N7 ɞ D L ƱŲ ɞ

g

J L ⁄ Ψ K K N7 ɞ D L ƱŲ ɞ F K E@ ɞ R J4P
Ά ỹ ي Ặ ' Ə ε ϟ ɟ
K K N7 G D ƱŲ F K E@ k P L ? R J 2P k P L ?

HMGB1 TLR4

ABSTRACT Objective To investie_te the sienidic_nce od k_tpiv ket_llonpotein_7 se ŲMMN7 intepdepon Ų e_k k_IFL ŲƱ hieh kobilitw epoun npotein B1 Methods A tot_l od 63 JL n_tients JL epoun _nd 34 JL n_tients uith he_pt d_k_ee cokbined he_pt d_k_ee epoun _dkitted to oup hosnit_l dpok Aueus2.17 to Hulw2.17 uepe enpolled dop this studw. Accopdine to the JL n_tholoeic_l cl_ssidic_tion cpitepi_ od the Intepn_tion_l Societw od Lenhpoloew _nd the Societw od Kidnew N_tholoew ISL - RNS2..3 in 2..3 the evnpessions od MMN7 IFL ŲƱ

⁊ 0 . / 6 ⊥ Ặ / 6 0 1 . . 2 / . 0 7 4
Ə ╥ H, / , ⊥ ⊥ Ψ ├ ẍ ⊥ ⊥ 2 5 1 . . .
0 ɔ P ├ ╞ ├ ẍ ɔ 0 . . . 7 0
ᵖ ɲ Ə ỳ Z ╗ C ɡ k _p ɡ j l / b 5 > q g l _ , a m k , a l

Results The levels of MMP 7 ...

2

2.1 Ξ m

Ξ ᾷ ϵ ϵ ϵJL ϵ

Ὗ ي τ

$c^7$4

2.2 Ξ ٨ Ψ ˘

´ MMN7 ϵIFL Ų Ʊϵ

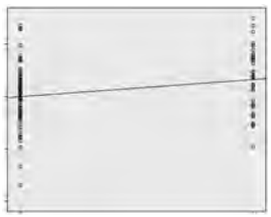
6ŲŽDs0

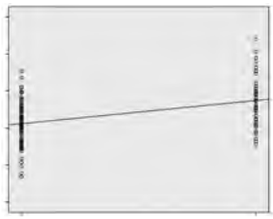
ῆb Ü ðĄ3UŽĒŲŽ,á ƒUŽ6ÉÝÑvp % Ý GU' ÍÝH • Ý Gdb

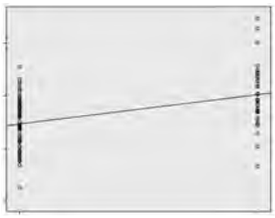
UŽ-ÕXà

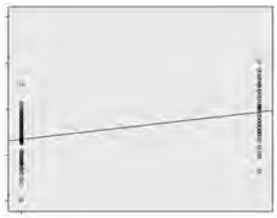
Xà

ᵉATiÍÝ P Ý „ƒRƒe ÝÒ " ò ᵀᴹÝÑ w ˇ GB•) @ĐUP









A B C D

ł .Ń; ł 1Ń;

/

D g e ś p a c 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 P M A

R _ `3j P M A _ l _ j w q g q p c q s j r q

	? S A
K K N 7	. , 4 3 5
G D Ʊ Ų	. , 5 1 7
F K E @ k P L ?	. , 5 6 /
R J 2 k P L ?	. , 5 5 1

J L J L ɟ T g _ G D Ʊ Ų J L ɵ)œ

F 7 Ấ Ъ / 3 . Q J C K K N 7 ' ʊ J L J L

Q J C Q J C ɟ /4 ʼ O G D Ʊ Ų

ɟ S e _ p r c Ų @ c p x _ ʼ O C K K N 7 '

A / Ʀ ɟ K _ m W K / / ɸ ɸ ʕ ɥ G D Ʊ Ų

k c r _ Q J C ; ' ɑ̃ د ' G D Ʊ Ų

K K N 7 Q J C ж ɟ K K N 7 Ʀ ɟ G D Ʊ Ų J L

Q J C ' J L T ɟ ' ε J L

K K N 7 J L ɵ)œ w ɟ

ʊ J L J L R J 2 ʌ ' ч

ɟ ˆ /0 K K N 7 Ų q g P L ? Ɑ Ỉ

Ố ж ɑ̃

Ỉ ɟ F K E @ R J 2 J L

Ỉ ʼ E ɵ)œ ʊ J L

K K N 7 Ų ' ʼ E Ố Ʀ J L ɟ Q m l e C /5

د ъ´ Ъ ɟ J L R J 2 ' F K E @

ʊ

Ъ ɟ G D Ʊ Ų ẹ φ ɟ J L

/1 Q J C ? S A

G D Ʊ Ų ʕ ɟ

/2 ж P ɵ ʼ Ạ G D Ʊ Ų

R f - R f ɑ̃ د ɟ

' G D Ʊ Ų Ʀ ɟ

U c l Q /3 G D Ʊ Ų J L

ʊ ʼ Y ɟ ; 1 7 3

? l e 2 n A R J 2 Ų B

ᵠ ᵖ

K L 4 ? l e n 4 j ɞ R
Ɗ 4 A R J 4 Ų 25Ų ɲ B3 25ŲM F B3 Ά"H ' Ặ ɟ ŋ 2.15 1
2.17 6 ʼ K L 12. ʒ ẹ Ψ ˝ ẻ ي S ? K L 4. ʒ ה
ʕ K L 4. ʒ ה Q K L 4. ʒ ɔ̄ ŋ ʼ ɨ l ж ɬ 4. ʒ Ə ε
ˇ ɞ"H ʼΩ ه R C E "H ' ? l e n 4 ɞ A R J 4 Ų
25ŲM F B3 ʊ̃ ẹ Ặ ɟ 3 ɞ 24 f ɞR EɞR AɞA P C ɞ
@ S L τ

? l e n 4 ɞ A R J 4 Ų B Ħ ɞ Ɉ Ƭ "H ' ל
ɔ Ẻ í τ ɟ
˝ ẻ ي 4 R Ɗ 4 25Ų ɲ
B3 "H '

ABSTRACT Objective To investie_te the levels od _neionoietinŲliie npote4inAnentl 4 sepu k
cwtpotovic T lwk nhocwt < e® γ ל Ŵ

ɲ ה ὦ / 5 0 1 . 0 / 0 0
Ə ╥ H, ж ├ Ỉ ← . 4 / . . .
ᵖ ɲ Ə ᵠ C ɡ k _i g_ j g ɔ 2 f. c/ l5/d.4 >1 , a m k

Conclusion The detepkin_tion od Anen4 CTJA Ų4 _nd vit_kin D h_s iknopt_nt clinic_l sienidic_nce dop the di_enosis tpe_tkent _nd konitopine od ch_nees in co_eul_tion dunction in n_tients uith kekbp_nous nenhpon_thw.

KEY WORDS ? r w n g a _ j n c p g r m ? l c e g j m l n c m n g f c p r m g n l 2 Ų ? f c g p i s c k n a p w m r m c r g m l v g a R j w k n f m a w r 2 c 0 3 Ų r f w e b c p l m v 1 A m g r e s k g l n B g m l d s l a r g m l

Ɗ ı ’ ε ẻ

S l b c r c p k g l c b _ r w n Ų g a _ j k c k ` p _ l m s q l c n f p m n S ? r K L w G b g m n _ r f g a k c k ` p _ l m s q l G K L f p m n _ r f w Q c a m l b _ p w k c k ` p _ l Q n K L q / Ų ! ţ c n f p m n _ r f w ẹ S ? K L G K L Q K L

ʹ Y † ţ K L

Ḥ B Ų J B Ų b g B Ų b B

ظم [1] ţ K L

ظم ‖ ţ

2 ? l e g m n m g c r g 2 l ? Ų l j e g 2 n i r c j n p m r c g l

Ế ˥ ẹ

ʹ Y [2] ţ [3] G K L

R Ɗ 2 A w Ų m r m v g a R j w k n f m a w r c 2 A R q m 2 Ų g _ r c b _ l r g e c l Ų

Ḥ ţ 0 Ų B 1 0 Ų M F

B1 B Ỉ ẹ

Y

ڭ Ŵ ص شجي ير ţ ص

2.3 ˘ TEG ”H ‘

Á IML ɞSML ẇ SAML

K ᵉ ɞR ᵉ ɦ Ư ɞMA ᵉ ╗

Ẻ τ

2.4 ˘ Anentl4 ɞCTJAỤ4 ẇ 25Ụ OH D3

SAML ɞIML ɞSML Anentl4 ɞ

25Ụ OH D3 Ҥ CTJAỤ4

ɦ Ҥ Ẻ Ỏ ɦ Ҥ Ẻ ̣ DB S

G K L
Q K L
S ? K L

Ȯ [5] K L
φ ɟ Ƽ
B Ų B ɔ
ɟ [6] Ƙ
Ȯ ɟ
ضم H نې
, Ţ
φ ≠ D

@S LB Ų BJ _ aq A F C

ŧ ρ Ở

@S LaBUJ l BUBa † J _æ qAFC

Ỹ ɵ e ɟ ˥ 0 . / 22 0 . / 74 002 ε

Ấ 1 ƀ ε / 30 50 ɟ 0 Ấ @S L

BĦ J _ aq A F C ŧ ?N?AÑC ɟ KMBQ

?N?AÑCKMBQ ɟ BUBJ _ a

@S L ?N?AÑCKMBQ qAFC?N?AÑCKMBQ

@S LBUBJ _ aq A F C ' ε w ɟ

BU

ABSTRACT Objective To investie_te the npedictive v_lue od sepuk upe_ nitpoeBSL DU dikep DUD blood l_ct_te J_c _nd cholinestep_sesCHE levels in the supviv_l st_tus od n_tients uith sevepe nneukoni_Methods A tot_l od 224 n_tients uith sevepe nneukoni_ _dkitted to oup hosnit_l dpok Anpil 2.14to Hun2.17uepe selected _s the pese_pch objecAtscopdine to the supviv_l st_tus 3t. d_ws _dtep _dkission thew uepe divided into supviv_l epoun152c_ses _nd de_th epoun72c_ses. The sepuk BSL DD J_c sCHE levels _cute nhwsioloew _nd chponic he_thANACHE N scopes _nd kultinle ope_n dwsdunction swndpokeMODS scopes _t diddepent _dkission tikes uepe cokn_ped betueen the tuo epouns The coppel_tions od sepuk indeves uith ANACHE _nd MODS scopes _nd theip npedictive v_lue dop the supviv_l st_tus od sevepe nneukoni_ uepe _n_lwxedsults Sepuk DUD J_c BSL uepe nositivelw coppel_ted uith ANACHEN MODS scopes _nd sCHE u_s nee_tivelw coppel_ted uith ANACHE MODS scopes

Conclusion Sepuk BSL DUD J_c _nd sCHE levels _pe _bnopk_llw evnpessed in n_tients uith sevepe nneukonihich c_n npovide soke d_t_ sunnopt dop clinic_l

ɔi Z ЖĶ ก 0 . / 73 . 5 / 3 . . / 146

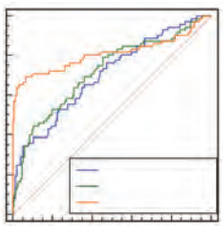
Ə ╥H Z ж ├ ├ Z Z 301 . . .

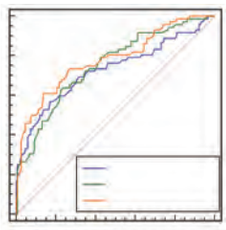
ρ ภ Ə Cgk_5g2j. 06 / 035 > oo , amk

3

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

b	*c*[7]
26 3 5 7 5	; 3 5 6 9
25 3 ; 9 :	9 3 : ; 5
5 3 > 6 5	: 3 = 7 :
5 3 < > 6	9 3 5 > 8
6 3 7 7 8	< 3 6 ; :
25 3 : 6 >	9 3 8 8 >
6 3 8 < >	< 3 6 > >
6 3 ; 8 ;	: 3 6 < >





A B C D

A ε Ấ 3 ϭ 5 ϭ 7 d BSL ROC B ε Ấ 3 ϭ 5 ϭ 7 d J_c ROC C ε Ấ 3 ϭ 5 ϭ 7 d DỤD ROC D ε Ấ 3 ϭ 5 ϭ 7 d sCHE ROC ɟ

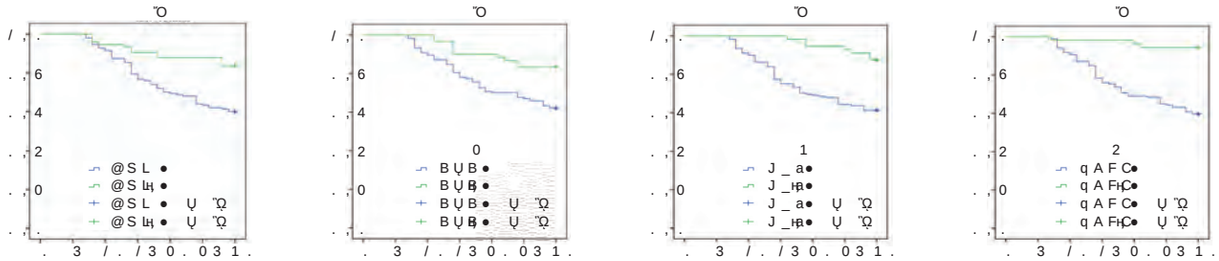
/ P M A

D g e ʃ s p Pd M A a s p t c

2.5 ǔ J_c ϭ sCHE ● ϭн ●

3. d˜ w ROC ȳ e ǔ ε н τ

● ϭ ● KM ǔ BSL ϭ DỤD ϭ



A B C D

A BSL B DỤD C J_c D sCHE ɟ

2

D g e ϭ s p Qc s p t g t _ j a s p t c

3 4,5 ɟ

Ţ ɟ

Ж J _ a Σ

н Ѣ ẋ Э 6

KEY WORDS F c r q f m a i 0 p Gm i q c s g i g ? Ụ j g i c e p m u r f N d l a p m o p r g g a l a g l e c p p m r c g l
R L K q r _ e g e e c c m d b g d R d s k p m o l r g _ r g m l

1

1.1 m

ך 2.15 4 2.17 4 'Y
76 ֏ ɐ 76 ֏ ɐ
88 ֏ Ə ɛ ɟ
65 ֏ 31 ֏ 52 | 78 ֍
63.75§4.53 63
֏ 33 ֏ 5. | 75 ֍ 63.71§4.85
57 ֏ 27 ֏
51 | 77 ֍ 64..5§4.76 3 ɔ
ɐ Ǫ ֍ '
τ
1.2 ך Ấ
Ẩ Ấ ˷ 3 í 'Y
í Ш _ ɐ
´ w ; Ấ ֍ ɐ
ɐ ɛ ֍ ´ ɦ2.16 HNS
í ≜ ɧΨ Ấ ⁷ _
֍ ɐ ɛ
ɔ ğ̈ м Ì
'Y ≺1.. c k ɟ Ấ ˷
_ ´ ӧ ӧ

_ ֊ ֊ ɔ =
ɔ ´ ~ ğ̈ ɐ ´
– ɛ ɟ
1.2 h
֍ 4. e-J ɹ Ƀ
ɜ ɟ 'Y Ụ ϕ ˘
Ő ợ ϕ ɷ7... #ϕ ɷ5... #ϕ א
'Y Ő Ẩ l l 5 kin
Ẩ Ẉ Ấ HSNA2 ɷIGFBNỤ2 l
╪ ɔ ắ ˘ 37 Ÿ Θ ;
12. kin ך 'O ˜ ẏ nhosỤ
nh_te bu ddepeds_line NBS א 3 Ẩ
ẉ J l ╪ ɔ
ắ ˘ 37 Ÿ Θ ; 3. kin Ő
NBS ˜ 'Ḥ ≜Ш "I ɔ ̈Ạ
'Ḥ ắ ˘ ɐ Ⱨь ; ɟ
1.3 ó
ך 'Y Ψ 5 Y ʁ ẹ Ψ 3 ǔ
Ⱶ 2 ǔ Ⱶ
1 ǔ Ⱶ . ǔ ɟ
1 ǔ ⁼1... # 2 ǔ
1... # : ⁼5... # 3 ǔ 5... # :
⁼75.. # 4 ǔ <75.. # ɟ
ǔ ; ǔ Â ɟ ǔ "3 ǔ ɛ
:3 ǔ ɛ ɟ
1.5
˜ 3 HSNA2 ɷIGFBNỤ2 ɟ_ ǔ
HSNA2 ɷIGFBNỤ2 ɐ e ɟ
_ ˝ ˀ í Ψ
HSNA2 ɷIGFBNỤ2 ɟ = ǔ HSNA2 ɷ
IGFBNỤ2 Ấ í
Ặ ɟ
1.6
SNSS22.. Θ ǔ
c⁷ Kc δ ϕ χ m ς
÷g χ λχc ϕ× φ δ ζ ψ Ξc χ ψ M I ±
K

2

2.1 3 HSNA2 dGFBNŲ2

HSNA2 dGFBNŲ2

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2.2 HSNA2 dGFBNŲ2 ɵ e

ROC ǖ Ξ ´ ASC ε ..8..

Ҥ HSNA2 ..687 dGFBNŲ2 ..74.

73.75 # 66.3. # 2 ɞ 4 ɟ

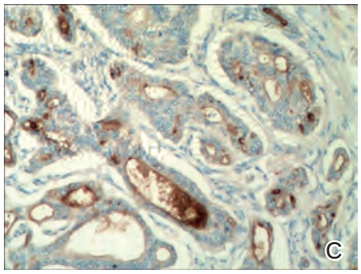
2.3 ˝ ˀ í Ψ

HSNA2 dGFBNŲ2

/ 1 F Q N0?G E D @ N Ų

ą̈

c^7



A B C

? ε @ ε A ε ɟ

/ Â2 . .

D g e /s pnc_ r f m j m e w m d n _ llmapp kc__ jr g a laa_pl ca_c rpg a r g q q s c ` c q g b c n _ l aÂ2 p c _ r g a a _ l a c

0 F Q N0?G E D @ N Ų

c^7

2 PMA

D g e 2 s pPMA a s p t c

R L K ɵ |œ ɦ

F Q N0?G E D @ N Ų

R L K η |ɴ

2.4 HSNA2 dGFBNŲ2 Á í

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Ne_pson Ặ ǖ HSNA2 dGFBNŲ2

Á TLM ǖ ɞ \

Ặ Á ǖ ɔ \ Ặ τ

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2 3 #4 |. # ɟ

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F Q N0? ˀ

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ρ Cgk_/gj306.7300>oo,amk

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Results

The estpoeen _nd npoeestepone levels od p_ts uepe decpe_sed _dtep OvŲHDJ tpe_t k ent

1 $ 0 4

Conclusion OvŲHDJ c_n inhibit the npolidep_tion od p_t ep_nulos_ cells induce _nontosis od ep_nulos_ cells_nd le_d to the disopdep od hop k one secpetion od ep_nulos_ cells.

KEY WORDS M v g b g x c b f g e f b c l Eqpg_r lws jj gnrFm_npdcmjrljcqgql c a p c r g m l

ش n m j w a w q r g a m t _ p g _ l q w l b p m k c N A M Q Ỉ ϭ

ε ش

ʹ ɟ N A M Q Ą̈

!

1.2 ζ Ḥ ẅ Ѧ ჰ

DMEM ﺠﻨ Ẽ ﺠﻨ ɞ ҩ Hwclone ắ ˘ ɔ ╪ ╗ ắ ˘ RINA ɔ ╪ ắ ˘ ฯ Ḥ ɔ ℄ ắ ˘ MTT Ḥ ← Ш ╪ ắ ˘ BCA Ḥ ҩ ï ắ ˘ EJISA Ḥ Ҍ ╧ Ш ч ắ ˘ Ѧ ҩ N_ptec ắ ˘ Ѧ ← Ш ắ ˘ ɟ

1.3 EJISA ብ ΰ̃

EJISA Ḥ Щ ϴ ˜ ﯙ 472 nk Ѧ ˘ OD ᵉ ɟ

1.4 OvỤHDJ NCOS◓

4 # ذ ◓ 24 h ˜ "Ą ε 4 kin ˆ 1 # ΰ̃ ɔ ˜ ㄣ ˜ ' 15 kin ˜ 5 kin J ˜ ẅ ɟ

1.5 Hoechest33258 ἕ H

◓ Ҍ 12 Ψ ε 1Â1.⁵ Y Ҍ 37 Ÿ ɞ 5 # CQ ϴ ﺠﻨ Ẽ ɟ 48 h ˜ ذ 5 kin ˜ Ẩ Hoechest33258 ẉ 6 kin ˜ Ɜ ẉ ɟ

1.6 P R Ụ N A P ἕ H ﺠﻨ غ w ẅ Ặ ﺠﻨ غ

˘ 24 f ˜ R P G x m j ˥ P L ? L _ Imb pŭmẉ ẉ P L ? א ´ aB L ?⁶ N p g k.c ϴ

1.7 Westepn blot ἕ H w ẅ Ặ

˘ 24 h ˜ RINA ˥ BCA ɟ 1 . # SDSỤNAGE ΰ̃ ⁸ ΰ̃ NTDF ˇ 5 # 1 h ˜ ΰ̃ ᾇ BclỤ2 ɞ StAR ɞ FSHR ɞ StAR ╥ 4 Ÿ ˜ Ẩ HRN J 1.5 h ECJ Ḥ ˜ I k_ee H ϴ ΰ̃ ᵉ ɟ

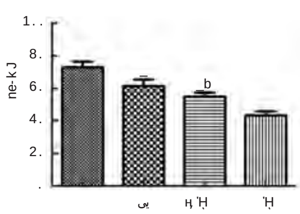
1.8 ΰ̃

SNSS17.. ϴ ΰ̃ ɟ ﭼ w ¯

2

2.1 OvỤHDJ NCOS ẅ ΰ̃ ï̋

ה NCOS ﯙ OvỤHDJ ϴ ˜ ẅ ﭼ ; Ḥ ẅ ﭼ ҥ Ҍ ẹ ˘ τ



2.2 OvỤHDJ NCOS ◓ ï̋

Ụ he k_tovwlin Ụ eosin HE ה ◓ I ᏻ ◓ "Ω ◓ ɟ

2.4 OvŲHDJ ἔ H שׁ ὗ
Ặ ـز غ ἵ
RTŲNCR ה ה OvŲHDJ ’ Ἅ

2.5 OvŲHDJ ἔ H שׁ ὗ
Ặ ἵ
Westeþn blottine ה ה OvŲHDJ ’
Ἅ BclŲ2 eFSHReStAR

3

N A M Q

1	GED/DŲ	TCEDŲ/ACED1PŲ	

kclr_j Acj j Pc2q16_3668f1 13Ų23.

4 δ δ "Ω . ɢED1Ų Ά í
ἐ Ἄ H. ├ 2.15 32 1 1Ų4.

5 . ɔ K . Ό
2.14.

6 ϒ ہ m . K K N2ϕK K N1ϕẅ TCEDŲ
Aϊ Ψ ẅ ę í τ H. ų ẍ
2.16 36 1 21Ų26.

5 ├ Ъ . Ψ Ї ἐ Ų
? Ά ɵ Ἄ H.Ψ├ã
├ 2.16 14 11 165.Ų1652.

6 Jgs WAN_pi WPgk QJcr_j. KgapmP3L_?gŲfg`grq
amjmpcar_j a_lacp kcr_qr_qgqrfpmsefbmulŲpcesj_rgmlr
glqsjglŲjgic epmurfd_ahmBgpccaqrmmBgqc_qcq $
Qagclac02.15 62 11 1Ų1..

7 Wmqpw M1kp_l BWmsqcdcK_j. QLNqglrfcglqsjglŲ
jgic epmurfd_armp eclc_lbm`cqgrwgkn_arϕŲlamjmpcar_ja_
acp gl cewnrg_H.q? qg_l N_agdga Hmspl_j mdŲA_lacp Npctcl
rgml ?nhan 2.15 16 11 2757Ų2764.

1. Ъ ف Ở .BL? ´ ŭ ɔ Ά 1 ϒ
Ї ἐ ẅ ę Ά Ἄ
H.Ψ ہ í 2.16 32 5 43.Ų432.

11 R_p_lrglgTQja_pacj_ϕWc_q`jLsKaf_lqcdrw_?j.Ųl
qsjglŲjgic epm1ubfcdbaacarawpcv_acp`_rcq fwncprclqgmlŲ
glbsacb acpc`p_j kgapmfckmp pf_kgkcqajglge kfac
_eglenfclmrwHc?eglе Ac2j.1j5 16 3 467Ų457.

12 . ɢED1Ų ẅ TCED
ϊ Ψ í τ H. í
├ 2.14 16 3 7Ų11.

13 Bgle HJgA R_ledH_j. Fgefcp cvnpcqqgmlmd npmrcglq gl
ɢED-ɢP _vcq glamjmpcar_ja_lacp gq _Q4bgmeu_rcb ugrfrwnc
`crcq kcj jHr.sNq_rfmjmew $ Mlamjmew P2c16c22paf
4 553Ų557.

14 . ´ qsptgϕTCEDŲA ϒ
TCED3PŲ ϊ Ψ τ H.
2.16 25 2 116Ų121.

15 ιι θ "Ω "Ω . Ψ TCEDqϕTACEDqϕB
TCED3PŲ ẅ ę í τ H. JỞ ├
2.15 36 11 1456Ų1461.

16 Fs_leAAfclW. Jwknf_legmeclcqgq _lbamjmpcar_ja_lacp
H.Q_sbgKcbga_j H2ns15p36_3j 235Ų244.

15 Z► . TCEDŲA Ά
ɵ Ἄ H.Ψ├ã ├ 2.13 11 6
665Ų667.

16 Xwemý Qlx_hcuqigIKpsqxcuqdrg ŲljH.TCEDDjrŲ
1 _lbkgapmtcqqcj bclqgrwglnpgk_pwrskmpq _q npcbgargtc
d_armpqmdamjmpcar_ja_Hlackpmnjpcarse Jmqpdq§A jglg
a_jMlamj2e15 6 2 243Ų246.

17 ķ "Ω . ˝ TCEDŲẅATCED3PŲ
Ά ę Ἄ H.ŭ Ά 2..7
1 3 157.

1 " r . ىلـ 6. ϧ
ה • ἐ H. ų ├ 2.16 16
23 45.5Ų45.5.

2 . TCEDŲA-TCEDDPŲ
ΐ H. ہ ɔ 2.16
36 3 162Ų164.

3 Q_igk_ kF_w_qfgkF_ksl?ϕr_j.TCE3DqPeŲlU_j
gleqq pcesj_rcb `w_ EŲnpmrcqhgt_amqp_mmdpEŲnpm
rcgl qgel_6glge jwknf_rga clbmrfcjg_ H.acCjvnjcqhg

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a.211 E < ϭ a.1456 R < ϭ E.1.61 A < ℝ ϟ ϧ ὗ ᾷ ε 62.67 # ϭ 62.67 # ϭ 45.55 # Ҥ

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ABSTRACT Objective To studw the Snconjue_ted hwnepbilipubine ki_

Methods A tot_l od 67 ind_nts uith GS _nd CLS di_enosed in the neon_t_l _nd dieestive kedicine clinics od oup hosnit_l dpo k H2.18 tow Love kU bep 2.17 in the bopdep _pe_s od Luji_ne B_osh_n Jinc_ne _nd Dioine Yunn_n uepe collected obsepv_tion epoun eenetic tests uepe nositive _nd 67 he_ltho k̂ Ji H̋ ϯ ᵀ ˛ ˛ V̂

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5 ?k_lbgrm PNsrp_bgqrHgiePqw_cA_j. S1E?1Reclc
_lb lcml_r_j fwncp`gjgps`mlpckgjgkl_pw qrsbw dpmk
@cleisglsmlcqg_H. @KA Pcq Lmr2.16 11 1
152.

6 Qsl JJg K Xf_lecJ_j. Bgddcpclacd?1l ScEdR
ksr_rgmlq _lbn_rfmjmega_j jgtcp af_lecqU`crucclAfglcqcn
rgclrq ugrf Egj`cpr qwlbpmkc _lb Apgejcp U L_h_p qwlbpm
rwncGG H. Kcbgaglc @_jrgkmp2c15 76 45 c662..

5 Kcfp_bU K_h5_Fcpg_l R?Qfr_pgcH_j. Cddcarq md
Ejb1?pe ksr_rgmlgl1?1LeeRclcml lcml_r_j fwnUp`gjgps
`glckg__qwqrck_ga pctgcu _lbkcr_HUH_K_jrowpqlq
Dcr_j Lcml_r_2j.1K62 1. 1555U1565.

6 "Ω τ. Egj`cpŕ ẅ Apgejcp U Ĺ_h_p
H. ŭ Á 2.166 3 2.1U2.2.

7 δ Ỳ . K ´ ڜ
SE1R?1 ƀ H. Ψ ╞
2.16 26 12 676U7.2.

1. Cjd_pHÚptglclHQg U cr _j. ? Lmtcj N_rfmeclga
SE1R?1 T_pg_lrgl _ Qsb_lcqc Afgjb1 Apfgeŕjwoop U
L_h_p Qwlbpmkc Bop se Kcr_` Bg2.1n17q45 1 45U
46.

11 E_gjgrc Bmrq BNsigrc Gcr _j. A_qc pkcmpjrnjc
SE1R?1 eclct_pg_lrq gl _ n_rgclr ugrf Apgeŭcp U L_h_p qwl
bpmkcH. @KA Ncbg_2p16 16 1 315.

12 ĸ θ . SE1R?1 ≈ ę Á ỵ ‴
Cl ę ´ Ă H. Ψ ╞
ỵ Ψ 2.17 34 2 61U66.

13 Fs_le KAfclWA Fs_le WW_j. Cddcarmd ŞBNU ejsa
spmlmqwjrp_1?1d_capgtrvqrncl pgqi dmp bctcjbhgle Egj
`cpBq qwlbpmkHc. l_mfqgsle H Kc2.1Q?a35 5
432U437.

14 Tmjimt ? LIf_`gct_ QQKkgplmt_ CW_j. Rfc eclcga
bg_elmqrgaq md ksr_1m?1qlSE_Rargacmd kmbcpU kcbg
agIc H. I jgl J_`Bg2.16 63 3 166U172.

15 Afcl QR s 72 F1 jd H 4 Ĥ B 72 P 40 E ɔ ÈSY5 Ñ&€@ Y

1 Jg_o_rQf_fgb ??rrgo F cr _j. AŠ e jcpQL_h_p
RwncGG Bg_elmqcbgl _ N_rgclr ugrf H_slbgadHQglac @gprf
H Amj j Nfwqgag_lq 2.16p26 1N_6.6U6.6.

2 Afgbb_pu_pBEQQjt_ AmXj _f Pc@_j. Eclcga jcqgmlq
glrfc SE1R?1 eclcq _kmle Bgjjcwbpmkcn_rgclrq dpmk
Glbg_H. Kmj @gmj P2c16 45 6 6533U6537.

3 Ở .4 Ẉ í
ẅ H. í 2.17 35 6
166. Ų663.

4 Qkcrq Bm``cj _cpdKBlgcpl_lcN_j. Nf_qc G-GG Rpg_j
md Jgtcp Ubcpgtcb Kcqclafwk_j Qrck Acjjqgl Ncbg_rpga Jgtcp Ų
`_qcb Kcr_`mjga Bgqr?pNbopmqncamYmcl J_`dKjsUj
rgaclrcpN_prg_jjwP_lQmkpxcdbQrsbwmd Mlc Awajcmd
Fcrcpmjmemsq Fsk_l ?bsjr Jgtcp Ubcpgtcb Npmeclgrmp Acjjq
Fcn_Qrcgk Spc_ AwajcBgqmpbcpq _lbApgejcpU L_h_p Qwl
bpmkc N_rgcHqRp_lqnj_P.17m1.3 7 17.3U
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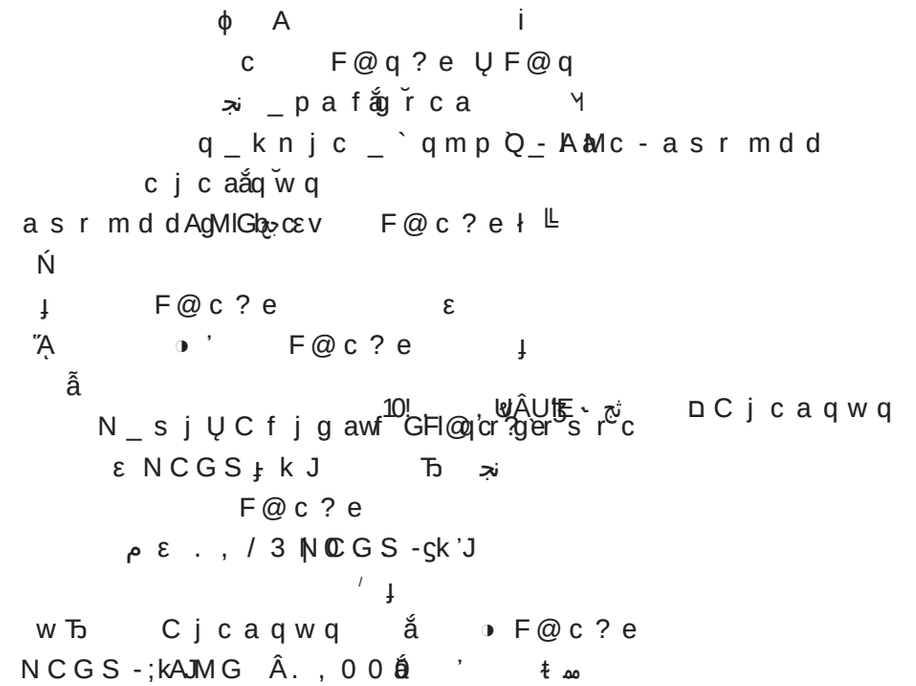

2.3 نح HBeAe Ά HBeAe ה
Ύ Ặ
م HBT HBeAe ה
ң HBeAe- ЏHBe ה ζ Ό ئۆ ӧ
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2.4 HBeAe Ά Ҡ Ặ
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2.5 HBeAe ئۆ ό HBT
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۸ HBT DLA Ά [17] ɟ W_ne [18]
IT ۸ IC HBeAe ὗ ᾷ ε 1317.7 §332.
CO ۸ 673.4 §562.1 S-CO

2.6 HBeAe ئۆ CHB Ψ
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1. 1132 Ų 1136.

2 U s p q r f m p l X l _ a f c p @ H

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ۆ ٮ Ψ H. Ψ ╞
├ 2.16 22 3 237 Ų 243.
2 J _ k n p m n m s j m q q l _ q ʒ J m n m s j m q R. F c _ p r d _ g j s p c u g r f
a m k n j c r c p c a m t c p w g l _ n _ r g c l r u g r f q w q r c k g a j Ų s n s q c p w r f c k _
r m q s H q. P c s k _ r m j m e 2 1 5 53 1 47 Ų 52.
3 Ở . ђ ک Ὠ ж
L R n p m @ ɛ K K N ɛ K N M ĭ H. Ψ ├ ´
2.16 14 2. 241. Ų 2413.
4 ٮ θ ٮ Ὠ ʳ . ӈ ۆ ӝ
Ψ Ə H. ὗ Ά 2.16 6
1 66 Ų 67.
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 g m l m d
N m q r r p _ l q j _ r g m l _ j K m b g d g a _ 1 m B s p m d l e F G K K E s @ l c
P c q n m l q H c. q ? l r g m v g b P c b m v Q g e l 2 . 1 6 4 12 62. Ų 34.
6 A f c l V V s Q X f _ m A c r _ j . P m j c m d L R ? J B N F r b V g
b _ q 4 c n _ r f u _ w g l n p m k m r g l e a c j j b c _ r f r f p m s e f _ s r m n f _ e w
_ l b d c p p m n r m q g q b s p g l e H c @ p m a f c k g @ g s n f w c q P c q
A m k k s l 2.17 516 1 35 Ų 43.
5 ? k c p g a _ l A m j j c e c m d P f c s k _ r m j m e w. ? k c p g a _ l a m j j c e c m d
p f c s k _ r m j m e w e s g b c j g l c q d r p p c _ q k a p l c c l b l k e Ų l
_ e c k c l r m d j s n s q H c n ? p p m f q p g r g q A _ p c F m P d u q
i c l 2.12 64 6 575 Ų 6.6.
6 K s ` _ p _ i L K q p g F. G Q L 2 - P. 3 N a Q _ q q g d g a _ r g m l m d j s n s q
l c n f p g r g q k c r m r _ i c _ j m m i m l r f c _ a f g c t c k c l r q Ų l b j g k g r _
r g m l q m d r f c q a f c H k H L c n f p m n _ r f. 1 4 3 3 65 Ų 7..
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l cvmqmkcq ئۆ 3. | 1. ɹ k *Ỉ ̆ P L ʔ ɐ ⅃ ش Ҥ

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ABSTRACT C vmqmkcq _pc l _ lmqa _ j c t 1 ɥ/g a . j lakqm u g r ɟ lbgg l gekg l b ʔ q p q md

_ l b n p m r c g l q , C v m q m k c q _ p c n m j w t c q g a j c q fdgmapfk c p c ` w sgqlcrbp u g c f jrsfjc _ p j w q m

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3 / A=BPÂ ðX Ð 0 ð qÂ ïÃ¯1 Bv-r R8Phrb€E\ ¯ < 3

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Ə [33] ɟ ŭ l ʼ Ə ε

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ᾷ Ə [34] ɟ Ɗ ה

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ئۆ Ψ ᾷ HERɥ2 ʼ

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ѡ ѳУ ѳẏ ѡ ẇ ├ ε ┐ ┤ ≀ ┤ ã ϲ ┐ ┤ ≀ ´ ├ ≟ ├
├ ɟ ┘ У Ψ в ẏ Ψ ئى ┘ ⁿ ⁿ ӧ ӱ
ӱ ├ ⁿ ⁿ ł ≀ ɔ + ẇ ◓ Ї ╥ Ń ⁿ ⁿ
Ė У ӱ Ψ ɟ ├ Δ ת 0 . / 5 / 6 ˛ 5 ж Ό 1 ˛ ˛ 4 ж
ő / . 3 ж / 5 ▌ ┘ ő 0 0 , 7 0 # ئى ┘ ├ ӱ ″ Ω ɟ ă ├ ظ ł ѡ ┐ ┤ ε Ψ
ѡ ┐ ┤ ε ┐ ┤ Á í ´ ˜ ≀ в ˜ ת ≀ ε ζ Ń Ə ѡ
ж ε Ὼ ẏ ┤ ɟ ẅ ő ˚ ˘ Ό Ђ † ε ┐ ┤ Ə ѡ Ὼ ɟ
У ≀ ő Ң ئى ┘ ӱ ″ Ω в ├ ѳẏ в ẏ ѳẏ ┐ ┤ в ┐ ┤
Ό ɟ Á ┘ Ї ọ ├ ├ ≀ Ą ’ ├ ► ´ ≀ ҙ ת ɟ
Ə ε ┘ ⁿ ⁿ ┐ ┤ ğ ẏ ┤ ă в Ὼ ѓ Ο Δ в
Ό ├ в ҙ Ė Ђ ϲ У ├ Θ ≀ ת ɟ ┘ ┐ ┤ У ẇ Ą
Ό Δ ‖ ğ ┘ ẇ ≀ ئى ┘ Ђ ł ǫ̈ Ђ ≀ ┘ Ї ’ ’ ≀ ת ɟ
У ă ├ ├ 0 5 / 3 ж 4 ę Ψ У 2 1 к ę Ψ ζ ѵ ├ / ˜ È
ζ ѵ ├ / 2 ζ ├ ˜ Ч ├ 1 ˜ ˜ ɟ ≟ ├ é в
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в ┐ ┤ в ├ ѳΨ ├ ɟ ├ Нь 0 . / 3 7 ł ≀ ɔ + ẇ ◓
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Ř h ˝ ۓ . ۷ ř ‴ 0..7 ת 3 ن ӈ ҏ خ ’ | ώ , ˛ Ř’ Ấ

5 ב„ ř . ۷ ن ⅏ ȝ ˛ Ы ’ | ώ , ’ ˜A ę Θ ن ⅏ ȝ ԉ Ы H

Ấ Ѿ ŭ ⅏ ` ɛ h ˷ , ¨ À ۷ ҏ - خ Ղ Ấ ˶ Θ ´ l h ˝ ۓ ، ,

˛ ˛ Ѿ 7 h ˷ ,ˆ ¨ , ل ى ҏ î ў ҏ ´ l Ї ج h ˷ , ۷ Î ɲ h

˷ , ȝ ججي Î O Ф h ˷ , ӈ ۔ Î Þ h ˷ , يغ ˛ Ы ҏ ¯ ئ î ˛ ҏ Ղ Ấ

˷ , h ˝ ɓ h ⅏ ψ ã’ ˜A Î ˛ ת ɓ ð ل ˭ ⅏

ھ ۔ Ч بم ´ l в Ấ Ѿ h ˷ , ۔ ð ل Î ۔ ɓ ۔ ≠ ˭ ǧ î ȝ

ن Ѽ в 4 ˆ 5 6. φ__ î Ǎ Ѽ Φ ɓ 4 ˆ 5 в Ψ ʙ ժ Ţ ˌ

‴ 0./4 ת گ ˛ ļ’ Ấ ð ي ۶ ى ҏ Ľ ’ Ấ ð ǧ ى ҏ î

ȝ ن ļ Ľ Î ļ Ľ Î ļ Ľ Î ļ ȝ ججي ≠ Ľ Î ļ ˆ 5 Ľ Î ļ i Ľ Î

ļ ✕ 1 Ľ ɓ ļ ˆ كي Ľ كي î ˜A ę ˝ Î w ˝ Î مي h ˝ Î h

˝ Î l z h ˝ Î h ‴ ч ˝ Î ˝ ´ Y ü ɔ Î ˜A ę كم Î مي h كم

Î h كم Ѿ 7 î

ą̆ ẽ א ♣ Ą , Ỹ ىب | 4 z ɹ ẽ frrn --wvwo,a`nr,al i ɡ, l cr

E غج .0.+1007.567 0.4 ¨ ғ غج ℎ k br > tgn, /41,am k

V¶ ¨ ғ غج .0.+1007.567 0./