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Volume 12 Number 8 August 2020

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分子诊断与治疗杂志

JOURNAL OF MOLECULAR DIAGNOSTICS AND THERAPY

2020 8 12 8 72 Bimonthly Volume 12 Number 8 August 2020

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JOURNAL OF MOLECULAR DIAGNOSTICS AND THERAPY

Monthly Volume 12 Number 8 August 2020

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B L ? BLM نحغ ڮ ’ ´ ڮ ε ‶E
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TET2 ל [0 3 0 4] ɉ ئ̆و
0 . / 7 m Y Ψ ̉ TET2
ל 1˜ ̉ ǚ ᾳ̈ Ђ 1 72 3 2 4 הּ
ی [0 3] ɉ ئ̆و m Y K L q
Ψ ̉ TET2 ל 1˜ ̉ ǚ ᾳ̈ Ђ 3 ß
4 .1 4 / ɛ ﶆ ɞA K K J1
? K J [0 4] ɉ غ Ђ 0 . / 4 m ʇ 0 4Y
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ל ̉ RUNX1 RUNX1T1 ´ ﻧﺤ غ ɞ
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’ Ẻ ɞ ɞ ˜ ɉ

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ﾉ ж ئ̆و K L E N q
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ὰ У ώ غ l ꓤ l J ụ ṿ BL? c ꓤ l

Establishment of industry standards for fetal chromosome aneuploidy including trisomy 21 trisomy 18 and trisomy 13 Next-Generation Sequencing

XF?LE Uc MWSgRg QS L L_AlFCLW_ lE?WgD FgS ?LE HQS Qfms d_le
/, L_rgml_j Glqrgrsrcq @mcpg DAmfmgl/_.l.b.B p, sA_Amg lr r_pj@jgm Eclmkgaq Am,
Jr bB,mleeEs l l e bAmflge 3 0 1 6 . 6

ABSTRACT Objective To develon tcpg_dlwb ct_js_rc rfc dc_qg`gjgrwmd glbsqrpw bg_elmqqgle dcr_j afpmkm0q/mrkpcg q/h6k_wlnbj mr gp bgwqsmpkgwl em kc wvr eclcp_rgml qcosc lLaEgQ,Methods According to the requirements of the proposed industry standards and national reference materials of fetal chromosomal aneuploidy _bnopk_lR0 / R/ 6_l b/ R acjj Ų dpcc BL? gl nj_qk_ u_q qcosclacb sqgle LEQ, Afpmkmqmkc lsk`cp u_q bcrcpkglcb qmdr Results ,L_tion_l nositive references uith the fet_l cell free DLA concentrations 1.c# _nd 5 # u_pe the corresnondine trisomy. 4n. n_tion_l likit references uith 3.5 # concentr_tions_ r j0c_qq_rknjcq u_pc rfc ampp cqnml bgle rpgqmkw, L_rgml_j af5g.k#c_p1l_bp# cdcpclacq ugrf ucpc rfc amppcqnml b/g6l e qr dmgqrhkwg,l Rrpugmqm_kwn j/c6kqguagprmfb afpjmkmqmk c gl l_rgml_j kgapmbcjcrgml _ulfbgkjc arpfmcbpcnqjgj_r_qr gmd lmprdcc ppqc_lkancjqcq ucpc l 0/ rpgq/m6k_wl b rpgq1,mkSwqgle l_rgml_j lce_rgtc pcdcpclacq cknjmwgle l afpmkmqmkcq ugrf mrr ffccpp_c`qlsmjprkq_ujcgprcg cl@c /e /_6_gl tbc1,Conclusion pgqmkw

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ϼ Cgk_ogsjq fms/0_4l,ea>mkCgk_hgfjs3_3l0e/00>4 , amk

_ l b n p m t g b c _ ` _ q g q d m p n Ụ p m b s a r p c e g q r p _ r
k _ p i c r g l e q s n c p t g q g m l _ l b k _ l _ e c k c l r ,
KEY WORDS L m l Ụ g l t _ q g t c n p c l A f p m k e m c q l m c k r _ g j a L r b c o q s r n Ụ j e n e g l b c w p _ r g m l
q c o s c l A a g g p l a e s j _ r g l e a c R p Ụ d p R k w d c r _ j B L ?

l ʁ l K Þ R0 ø R/ 6ł R/ 1ـ ƛ ŧ Ψ ـ ŧ ŧ
0 Ục l ´ R p g q 0 n / k R 0 / ɑ / 6c l ´ Ψ w ɟ
R p g q / m 6 k R w / 6 ł / Ục l ´ R p g q / m 1 k w ų l ʁ l R/ 1 / ø R 0 R Ḥ
R/ 1 w ẁ m 3 l ɕ l ی 2 5 V V W ẁ V ' ł L c v r Q 3 o ـA ė
l ╥ l ی 2 3 V ɟ 0 Ục l ´ ų A ł ـنز ġ ă ˘
l ת ε Ƃ 6 . ⁄ . 4 . # ų ğ w ɟ ų l ʁ l R0 ø R/ 6 R/ 1
Ǐ ◗ У Ὼ ~ ł Ḥ ´ ´ ł @ E G Q 3 O Ụ
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ğ Ὸ ~ / Ǐ H ⁰ ɟ У l Ḥ ╚ l ł B ?6 4 ـنز ġ
ὤ ł У ὤ ъ ң Ὸ A oy ă ˘ w ɟ
ת ɟ K У ὤ ɑ ų l ʁ l R0 ø R/ 6 R/ 1 Ḥ
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l ی Ŭ ɟ / 7 7 5 ▒ ¹ ğ l A Z ╪ ╞ـنز ġ ă ˘ w ɟ
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d c r _ j B H ω ? ã Ъ É ɟ Ḥ Ш B L ?
l ٩ B L ? 3 # ⁄ . # ų B L ? ٦ Ḥ ٦ ɔ Ḥ
Ὼ Y ٩ ـه ų B L ? ς φ ـه ٦ ـ ƛ ŧ B L ?
Ŭ ~ 0 ◗ ε ɟ 1.3 Ạ
ـنز Ъ m à У ὤ ـنز ġ L m l Ụ g q g t c ـط ų l ʁ l R/ 1 / ø R 0 R
n p c l _ r _ j e c L G N R g a ε r c ų r g l l e Ḥ B L ? ɟ w
ʁ l ~ J μ ╚ l Ḥ ε ٤ Ẉ B L ?
L c Ụ e r c l c p _ r g m l q c o s c l a g l e ı r c a f l m B n e ? w ~ ğ
´ ת Ŭ ų ת l ʁ l B L ? Ξ Ŭ ą Ả Á ´
² Ъ í ɟ ١ ˩ Ŭ Ո m Ὼ N A P ـه ~
ὤ ـ Ă ـ Ã Δ Ã B L ? ɔ Ḥ ɔ Ŭ
Ḥ ١ ƒ Л Ạ ɟ ƒ ẉ N A P A ˘ Y
ę Δ Ã Ḥ ө ɟ Δ Ã ´ ɟ
Ạ Ъ m У ŧ Ã ɟ 1.4
ƒ ـ ŧ L K N ? Ã ـنز Ъ J m ´ ą ɔ ـنز
μ ų l ʁ l R/ 1 / ø R 0 R ġ A ɟ w @ g m c j c a 2 r . p ـم. ė Q c o
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ʁ l R0 ø R/ 6 R/ 1ـ ƛ ŧ ـه ٨ l ƒ Y B L ? ğ ـه
ө Ã ' ɟ ـه Ψ ـه ~ ę Θ ε Ả
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a f/ p1

B

Z e

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ﻧﺤ غ Ḩ K `

2.6 ´ l ל ƚ ´

Ά ɑ ל ƚ ώ Δ ל ƚ Ψ ´ l ל ƚ ȕ ʬ ɔ ´ l ל ƚ ẫ Ὸ ң Ҍ ȕ ´ l ל ƚ ' ε Ὸ Ὸ ɟ ȕ ´ ʇ ε 5 . # 1 . # ɑ ´ l ל ƚ ε l ꞔ l Ḥ ç Ά Ὸ ´ l ɟ ε / 3Ụ6R Ụ K5Ụ . # ´ l ל ƚ ε 0 /ꞔ l Z=14.275 ɞ / 1ꞔ l ң Z= -1.508 ⁄ / 6ꞔ l ң Z= 0.866 ε / 4Ụ/R Ụ K1Ụ . #´ l ל ƚ ε 0 /ꞔ l Z=6.353 ɞ / 1ꞔ l ң Z= -2.155 ⁄ / 6ꞔ l ң Z= -0.716 ҩ 4ɟ

2.5 ל ƚ ´

Ά ɑ ל ƚ ώ Δ ל ƚ Ψ ל ƚ ל ƚ Ψ / 6/ 10 /́ l Ψm ʬ ɔ ẫ Ὸ ל ẹ ŋ l ל ƚ ҥ ε 0 /ꞔ l ɞ/ 6ꞔ l ⁄ / 1ꞔ l ɟ ɑ ל ƚ ₿ 0Y / 6́ l 0 K `ʬ ɔ ל ƚ ẫ Ὸ / 6ꞔ l Z=4.601 ⁄ 2 , 5 7 6 / 1ꞔ l ң Z= -1.154 ⁄ . , 7 1 0 /ꞔ l ң Z= -1.265 ⁄ +/ , 1 5 1 ẹ ŋ 6Y ל ƚ ج Ὸ 0 / ꞔ l ɞ/ 6ꞔ l ⁄ / 1ꞔ l ɟ ҩ 3ɟ

3

ὰ У ῴ ﻧﺤ غ ئو ĺ ɔ Ҍ ṿ l ꓤ l R0 6R/ 6l R/ 1 3Ụ4 ъ Ψ ߐ ṿ B L ?Ẻ ὰ ɞ ꞔ 4d Ậ fi3 UÂ ! %7@XĶ !ñ3 •ñŲ•4Q/ 4Ö ãM€"4

˜ Έ Ť 𝒟ρ K _ p d _ N 5 بخ ĦA Ʒ Ï

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J ų ئۆ K _ p d ´_ l Ẩ ώ Ꝁ ɵ ᵉ ⁄ Ƃ † ɟ
0 . / 4/ . ئۆ Z ˥ ɫ ├ Ꝁ Ψ / ʅ K _ p d ´_ l
FBN1 غ نحـ ㄋ Ḩ Q _ l e c p غ نحـ ㄋ
Ḩ ɟ FBN1 غ نحـ ┘ ش Ųỉ P ε ┘ ط ئۆ غ نحـ ១ ; 0K ┘ ط ỉ / . .
Y ╥ Ḩ Q L NƟ ε Ꝁ ╥ ʁ يى ɟ J ų
ㄋ Ḩ ⁄ ╥ l يى ŭ Ẩ ώ Ꝁ ɟ ئۆ FBN1 غ نحـ
a0, 2)5 E < ? ㄋ ⁄ ╥ l يى ŭ 3Y ش Ψ 1Y 0Y
ɟ ה ΄Y Ꝁ Ẩ l ŭ ᵐ ɫ ṿ ɟ J ų
K _ p d ´_ l Ẩ ώ Ꝁ ʼ w ╥ غ نحـ ئۆ Ψ Ő ה ʼ
w ẍ ʁ l У K _ p d ´_ l Ὸ ɟ
J ų K _ p d ´_ l FBN1 غ نحـ Ẩ ώ Ꝁ

Preimplantation genetic diagnosis of Marfan syndrome using next-generation sequencing

HE Tianwen[1 0] J S H g[/ 0] _A F C L A f s[1] _J G S g[B] sBlG L E F m[/ ρ] eBiMcL E W s f oBgS_ m[1 0]g
WG L ? g[/ 0ρ]f s _
/ , K c b g a _ j E c l c r g a q A c l r c p m d E s _ l e b m _ l l e x E f s k _ s l l e _ b A m f l g e A f _ g j b p c l F m q n g r _
3 / / 2 0 0, K _ r c p l _ j _ l b A f g j b p c l K c r _ ` m j g a Ų E c s l d e g x E f s m l _ g d w e J _ ` m p _ r m p w m d
b m l A f g l 3 / / 2 1 0, P c n p m b s a r g t c a c l r c p m d E s _ l e b m E l s e _ U m k f c m l s _ l b A f g j b p c l
E s _ l e b A m f l g e B / / 2 2 0

ABSTRACT **Objective** To evnlope the v_lue _nd _dv_nt_ee od nevtŲeenep_tion seouencine inŲnpeik nl_nt_tion eenetic di_enosis od M_pd_n swndpo ke. **Methods** A M_pd_n swndpo k e d_k ilw u_s scpeened dop the FBL1 eene kut_tion site bw evon c_ntupe seouencine in the kedic_l eenetics centep od Gu_nedone Wo k en _nd Childpen Hosnit_l in Octobep 2.16. The scpeenine pesults uepe vepidied bw S_neep seouencine l b r f Ų k s r _ r g m l q g r c u _ q g b c l r g d g c b , R f c a m b g FBN1 gene uere selected as the tar l g l r p m l h s l a r g m l get region _ l b . f. g e f Ų b c l q g r w a j m q c j w j g l i c b Q L N c j p c l q s c a j c c a m r c g b b _ c q n m f j c w k m p n f e c l c r g a j g l i _ e c k _ p i c p q g l 0 r k f p c c s e n g q m r F B N 1 g e n e t o f c o n s t b s m t u f e l c o p s m l e p c _ k fanlotwnes. Direct seqsencing od mstation sites and fanlotwne lin i age analwsis `w next generation seqsencing uere ssed dor nreimnlantation genetic diagnosis. **Results** Thepe u_s _ n_thoeenic kut_tion od the FBN1 gene c.247 )1g>A in tfe male side. Bw direct seqsencing and fanlotwne lin i age analwsis 1 m d r3 f ` c j _ q r m a w q r q m d

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1 , 3 / / 2 2 0
ρ C g k _w g g jl _ /g 0u 4_ > a m k

´ K _ p d _ l q w K l D b Q p m m k c

ẇ ã l K ę í

Ƅ ẇ ʁ Ά ′ ɟ

K D Q Ė ´ d g ` d g j j g l ,

FBN1 Ƅ ę ζ Ɑ ė ɟ ж ת

ε . , . 0 # ļ. 1 ę # Ψ 0 3 # 1 ļ. # ʒ ε ת

' Ю ų Ƅ ę ˜ ų

ε 3 . # ɟ ѽ K D Q Q

K D Q ⁵ ɟ Ả ѽ

K ∤ У ѽ ' w K D Q ṿ Ό ɟ

J ų l c v r e c l c p _ r g ṉ Ė Q q c Ə o s c 1 . 2 a ģ l e Ή Ά A ѣ

ε Ả ѽ K n p c g k n j _ r _ g m l ã e ∾ c ė l c r ∞ g a Ή ʁ Ả ѽ ₸ ∾ ė

b g e l m N ę Ɓ q ‴ c l Ή ʁ Ả ѽ l ʁ l

ʁ ʁ l w ẇ ₸ ∾ ė Ύ Y Ή ← Ш Ψ A ► ├ ѣ ă ˘ Ψ ₐ ←

⁶ ɟ /Y K D Q Ш T c p g r W A P ʁ ? @ 1 G 5 1 . A ? @ Ɓ

FBN1 ∾ ė Ƅ Q _ l e c p ˘ ₐ K g Q c o G j j să k ˘ g l ₐ

ɟ FBN1 ∾ ė Ƅ˜ L E Q Ƅ 1.3

Ή ∤ ∾ ė ₸ 1.3.1 ẇ ∾ ė B L ? ך

q g l e j c l s a j c m r g Q b L c N Ή m j w ũ k m p n f g ך ę k Ɓ q / ɐ ɳ Б 0 ɐ N Б / ɐ N Б 0 C B R ? " H ∤

N E B w ẍ K D Q ṿ ɟ ˘ 0 k J ך ∤ ∾ ė B L ?

ɔ ă ˘ ∾ ė ך Ή

B N 1 0 7 ך Ή Ш ך

Ə ɟ

1

1.3.2 FBN1 ∾ ė Ƅ ẇ

K _ p d ´ _ l ∤ ɳ Б / ɐ ɳ Б 0 ɐ N Б / ɐ

1.1

N Б 0 FBN1 ∾ ė Ƅ Ή

ɳ Б / ɳ Б 0 Ю ę ɟ ą̃ Ƅ Ή Q _ l e c p

N Б / 1 1 ی ´ ѧ / M j g 4 e m Θ Ή

E / N ? / Н ь 0 . / 2 ת У / ѽ˜ ? @ 1 G 5 1 .K ŭ A ɟ

У Ą K ɟ ε Ъ ẍ ? @ 1 G 5 1 .K ŭ A _ / Θ Q ɖ o

ṿ Н ь 0 . / 4 / . ğ Z ך ∤ K _ l Θ ŭ ó L E Q ą̃ Ƅ

├ K Ψ ∤ ├ Ψ ∤ Ή ı ğ ɟ

N E B ẅ ŭ Ъ N E B ẇ Ą 1.3.3 Ų ₸ l ی

˜ ˆ Ш ɟ Z ך ẇ FBN1

├ Ή ∤ Ж ˜ A ɟ

Q L N ε Ⱪ ἀ̣
G M L ? K N J G Q C O R K B C Q G E L C P
B L ? ɔ ɞ ɞJ ӌ ˜ Ḩ
╥ l ى ɟ

1.3.4 نجِ Ế שׁ

ך ◓ ˜ ◓ Ỉ ╥ g l r pŲ_ a w r m
n j _ q k g a q n c p A Q G I h ɔ a r g m k Ŭ
نجِ Ế نجِ Ế ɟ הּ 1
ẉ ỵ ئۆ ɔ ʿY ʹHm 0 µ i
ش نجِ Ế Ψ نجِ Ế ɟ הּ
3 B3 4 B4 ᾅ ش ʹY
Ό i Ế ئۆ 0 | Y7 ɟ
ز Ч Ч Ч ך Ό i
Ế ך Ό Ế Ч Ẩ Ψ ئۆ
N@Q Ψ ˜ Ẩ N A R Ψ ɟ ش
˝ ˜ ɔ ἀ ᾅ Ⱪ
˜ Ố ᾅ ɟ

1.4 Ẩ ῴ Ⱪ

ش Ế نحҌ
ﶆ k s j r g n j c b g q n j _ a c k c l ɴБ/_ k n j g d g a _ r g m l
K B ? ẫ نح غ ﶆ ɟ ﶆ ʽ
N A P ﶆ ╥ l ى ┘ ط У ɔ ˜
L E Q L E Q FBN1 نح غ ﬞ Ḩ ᛅ
نح غ Q L N Ḩ Ŭ N E B ἀ̣
Q _ l e c pm L E Q ɟ
״ ﬞ Ђ Ḩ l
ꓤ ш l ɟ

1.5 У ῴ

N E B ״ ﬞ ʹY הּ
Ҍ ᾅ ᛅ ɟ Ҍ
˜ / 2b F A E ı Ҍ ˜ 2
ᛅ @ ı í Ҍ / 6 | 0 2
ῇ У ῴ N E B ɟ

2

2.1 ﬞ שׁ

J ӌ ᛅ Ŭ Ч הּ
FBN1 نح غ ˘ ئۆ
ɴБ0 ئۆ FBN1 نح غ ɔ הּ / Y ῇ ʿY Ḩ ﬞ
a0, 2)5 E < ?ε ´ ﬞ Ḩ ئۆ Ψ
Ặ ɟ Ƃ / Ƃ0 שׁ
ɴБ/ جِ Ό ﬞ ﬞ Q _ l e c p
ɟ ﮬ 0ɞ /ɟ

L A@ G Ώ

ɴБ0 Ώ

ε ﬞ Ḩ ɟ
0 ɴ 0 FBN1 a0, 2 5 E < ? Q _ l e c p

D g e 3 p Q c _ l e c p q c o s c l a 0 2 5 E g < _ e p _ k m d a ,
k s r _ r FBN1 gene in patients ɴБ0

/ FBN1
R _ ` /j Q a p c c l g l e _ l b t _ FBN1 gene r g m l p c q s j
mutation in family

ɫ	J ӌ Ό نحשׁ ʅ #	Q _ l e c p
Ƃ/	/ 3 4 E 7 2 , A 0 3 , 5 5	E E
Ƃ0	/ 3 0 E 7 2 , A 6 , 0 4 . , 4 4	E E
ɴБ0	/ / 0E 3 3 , A 1 0 , 4 62 / , 7 4	E ?
	/ / 2 E 7 2 , A 5 2 , 0 4	E E

2.2 ╥ l ى

ш FBN1 نح غ ┘ שׁ Ụ̈Ỉ ˉ P ε
┘ ط ئۆ نح غ ɔ ; 0 K┘ ط Ỉ / . Y.
Q L N ε Ⱪ
L E Q Ḩ ╥ l ى Ŭ ɟ
Q L N Ḩ ᛅ Ŭ ɟ 0ɟ

0 Q L N
R _ `0j d s k ` c p _ l b b g q r p g ` s r g m l m d c d d c a

	نح غ ;		نح غ Ỉ	نح غ ɔ	
	/ K 0 K	. K / K		. K / K	/ K 0 K
& Б/ '	0	5	0	6	/
& Б0 '	0	/ 5	7	/ 0	0

2.3 نجِ Ế שׁ

◓ 0 .Y ẹ Ψ ◓ / 5Y Є ш G A Q G
ɔ / 3Y ɔ ◓ جِ הּ ◓ B3
3 ش ´ Ά У ε
B3 . ɞB3 . ɞB3 . B4 0 ش ´
Ά У ε B4 . ɞB4 . 0 Y
0 | Y7 ɟ ˜ ɔ ἀ ᾅ
ך ɟ

2.4 Ẩ ῴ Ʀ m ɉ Ҍ ל ε ה ל ΄
ش Ế ΰ̃ ᾀ̈ ẫ ל L E Q ׀ Q _ l e c p Ố ╥ l ی
نح غ مخ ɉ مخ ʽ N A P مخ ΰ̃ B3 1Y Ψ 0Y ε
╥ l ی ┘ طح У ɔ ˜ L E Q ᾁ B4 0Y Ψ / Y ε ɉ
Q _ l e c p m Ά L E Q 1ϐ 2ɉ

2 k k ' ɟ ғ ɔ ; 0 K ┘ ط Ỉ / . Y.
/ 7 ή У ῴ ɛ ɟ Q L N ɛ Ҝ ' ɔ Ἕ ғ
ṿ ɟ 2 .ԩ Ὢ У ǚ m l 1 / . . ᷉ ẫ ɟ K _ p d _ l Ψ
e ɟ Ỹ ɟ Ꮆ / Ꮆ 0 ש ɴ Б / ج Ὁ
ל ל ɛ ה ל ǚ

3

╥ ४ ى ל
K D Q Ẻ ى l ɟ ғ
ʒ ɞ m Ψ ל L E Q ԩ Q _ l e c p w ש
ʂ ' ʒ ɞ 7 ɟ ╥ l ى ל
FBN1 نح ғ Ң Њ / 3 o 0 ẫ , 0 1 ß 4 3Y l ɟ نح ғ Q L N Ң ǚ ԩ
Ὢ ɛ / .i ɟ У ῴ ╥ نح ל Ң N E B Ἅ
ғ Ҝ ṿ Ὁ ζ ɟ w ή ɟ Њ
ɛ ζ Ҝ У ῴ ӂ Ẻ ὰ Ẻ U E ? U E ?Җ ﶚ ﶚ ج ₱
m У ɟ У ῴ ~ Ң نح ғ ɟ U E ? L E Q ﯙ N E B
ṿ ɛ K D Q ж Ẩ ῴ Ҝ n p c g k n j _ l r _ r g m l e c l c r
ש ẹ ʂ m ԩ ɟ N E B N E Q í Ặ m ẹ ج m ԩ ˥
ъ l ɔ 1 ˥ / | Y0 N E B N E Q Ἅ Ѳ ɟ L E Q Ẻ
3ɞ4 ش ˥ 3 | Y . Ế ɞ ԩ ǚ ' w
Ҝ ǚ ~ l ẍ w Ң نح ғ ǚ ´ نح ғ
ה ъ ẍ Ҝ Q L N Ң ' w ẍ ? B M
ɟ У ῴ ᾳ ῴ Ҝ / 5 ɟ
ῴ ᾳ Ά Ҝ У ῴ Ẻ
Ҕ † ẍ ' У l
ԩ ὰ Ҡ / / Ų / 0 ɟ
/ 7 7 4F _ p r m l ж E J N A P
K _ p d _ Ђ m Ẩ ῴ نح ғ / 1 ɟ
نح Њ ẫ نح ғ ﶚ
U f m j c e c l m k c _ k E ʔ g d g a ה r g m l
/ 2 ẋ Ђ ╥ نح ғ B L ?
ئى Ђ Ἅ w ש
╥ ǚ ' ɟ 0 . . 4@c j Ò l J
ɵ Ђ K B ? Ų N E K _ p Ψ _ l / 3 ɟ w ɔ
ج ╥ Y نح ғ ל Ң
ԩ Ҕ ɔ ~ Ὼ Ә ɟ L E Q
ה Ђ m ɔ B L ?
Ђ Ҝ ԩ ǚ
Ẩ N E B Ђ ˥
ל ɟ ɴ 0 FBN1 نح ғ / Y ή Ὑ Ң
ל a0, 2)5 E < ? ´ ל Ң ئ
Ψ Ặ / 4 ɟ ל Ң
~ L E Q ל Ң ԩ نح ғ
Q L N Ң ǚ N E B w FBN1 نح ғ
┘ ש Ųỉ P ɛ ┘ ط ئ نح

/ B c _ l HJAnQ c w q @ , K _ p d _ l Q w l b p m k c _ l b P c j
K - - l S K ? P C B J G M R R N , A _ p b g m t _ q a s j _ p E c
E c l m k N p a g l a g n j c q _ l b A j g Q n a p g j l N c p _ a r g a
G l r c p l _ r g m l 0_ .j/ N 6 6 7 Ų 4 q 3 g l e
0 P _ k g p c B x C D@ ? A I C P H , K _ p d _ K l - Q w Ų M b p m k c
F ? Q F G R R Q S I ? F ? P ? P 1 F K G P C X c D _ j , F s k _ l
N _ r f m ` g m a D f p c m k k g A q j r g p l w g a _ j Q r s b g U c q r m K m j
_ l g q k q , Q Q r l p e g _ h e m p c Q 0 g . l/ e 0 2 n / Ų 3 2 ,
1 ᾀ , D@ ɟ نح ғ ה ל Ἥ ´
/ ʇ ˥ F H , í ṿ 0 . / 1 5
5 3 2 / Ų 3 2 2 ,
2 ,Ξ Y Ἥ ´ D@ L
نح ғ ל ǚ H ,Ψ ╞ ├ Ҝ 0 . / 1 44
3 4 4 Ų 3 4 5 . ,
3 ,“ 1 l خم , Ψ ╞ l
”

7 ἐ ц ˜ , H ´ í Ά ǚ H ,Ψ 0. .00.2 023Ų027,

/. m̦ ʒ H ´ ṿ D@L غ ǚ H ,Ψ ╞ ├ Ҝ 0. /1631 2/2Ų2/5,

// , ה ẫ Ҝ ǚ ש Ẩ ῴ Ҝ H ,Ψ Ά У 0. /1622 211Ų216,

/0 ╪ , ה ẫ Ẩ ῴ Ҝ H , ǚ Ά 0. /2 4 150Ų5,

/1 F_prmlREgjnmsOgqqNmlcKC_j, Npcgknj/5lr_rgmlF ,;m ų Ẩ ῴ eclcrga rcqrgle dmHp, KK_mpjd_f l kq_wll bpcmkKc Ψ H , ǚ Ά 0. /T5 /7704 7 5/1Ų5/3,

/2 N_cx JHgEl K@cpmsi fcgrk_Pj, Eclmkc amtcp_ec qcosclac d g0b7c mjgwkcmpd_qrcgŲ `_qcb ksjrgr bgqnj_ackclr ufmjc eHc,lmLksa j_dkgnaj g_dgab gr pcqc_0pa1207 c5/,

/3 JjcbmR@lEH_j_lcDrK_j, Npcgknj_Ųlr_rgml e _elmqgqmd K_pd_l qwlbpmkc sŲgle ksjr njgdgHa_rDgcmplr g0j.Q.84c42pg7j27Ų33,

/4 BgcrxKFaAglrmQq_fiG gcJrW_j, Dmsp/lmtcj D@l ksr_rgmelqgdga_lac dmp ksr_lr rp_lqap jgic bmk_gl a_jagsk `glbgle gl rfc n_ qwlbpHm,kc Eclmk/ 7 7 4150 246Ų2453,

ỏ ▶ Ά ˌ ɟ

ɛ Ҍ J ų ṿ l ʁ

l R/1/R0R Ḥ ỏ Ə Ψ

Ą ṿ l ʁ

l R0 6R/6l R/1 ɔ ɨ ɟ 0./6Ψ

Ą ṿ l ʁ l 0/c l ɞ/6c l

/1c l Ḥ Δ Ά ɟ ж

Ψ ṿ BL? ǚ m

╚ Ψ ṿ BL? Ҍ /.# 74# Ψ

ṿ BL? Ҍ 2#LGN╟R ʄ 2#Ə

ɛ ɧ BL? í e 7 ɟ Ά

ṿ BL? 3# ɔ ɨ Ό

ṿ BL? 1,3# ɔ ɨ

3.#ɜ Ό ʒ ɟ ɛ Ђ ṿ ´ l

Ỹ ɔ ɨ Ψ ´ ʒ ǚ ᾀ ɛ 5.#

1.# R0 6R/6l R/1 ´ l ɔ ɨ Ά

5.#´ l ɔ ɨ Ό ɟ Ψ

Ḥ ɔ ɨ

´ Δ Ά Ą ṿ l TH ` 0H 0 w H Ů

ʁ c l ɞ/6c l /1c l Ḥ

Δ Ά Ė ˌ w

Ḥ ɵ ɜ ˜ Ə ɟ

_elmqrgHa,RMmmqjrqcr Ewlcamj0A j/651 Lmprf ?k 0 023Ų034,

0 AmkkgrrccmlNpL_M`rgracA@pskjakgcrrgclcqml Eclcr_glabqr fc Qmagcrw dmp K_rdŲpl_jŲDcr rgac @sjj/41QgalpLcm,lgle dmp DHr,_j ?lcsn M`qrcr EWl/cA05j c/01Ų15,

1 JmWKAmp`c rArf__k`cpjc_rg_ljN,DNpcŲqclacmd r_j BL? gl k_rcpl_j Hj_Jq_kl_ác775 qcpsk 137.5426 3Ų265,

2 Qf_ddcLpm@Jml KC, AcjjŲdpcc BŲL? qapcc njmgbw_lb kgapmbHjMr`gmlcqwEwbpcmakmgjqAj L?k0./263/ /1Ų04,

3 ẃθ O F,//1317 ὰУῴ ǚ H,ǚ Ά 0./2444 14Ų1 142)4,

4 θ , LRɜ Ά ὰ Уῴ غ ´ ● ṿ l ʁl36. ʒǚ H, Ψ ├ ´ 0./044/.0/Ų01,

5 N_jiEsA_lag_jgŲKDmpgkacmgCNj, LŲmlŲglt_ qgtc npcl_r?j0 bŲawpcc_plogvlmecpgHe,lac gl Gr_ CspHM`qrcr EwlO0am/j7Pcn@3gm,j V,

6 -H, 6ž ὰ lOT1 ļ

لأ كمم نج E ψ Z̲

/ 0 1 2 2ρ

R Ų a _ bŭf c p g l ˜ ˜ ɵ ᵉ ɟ ˥ 0 . / 4
/ 0 . / 5/ / 7 6 ɛ ˜ í Ÿ ŭ ɛ ˜ ˜
ŭ í غ J m e g q r ŭg a ŭ ˜ ˜ غ
ɟ /76 Ψ 4 51 1 , 6 2 #˜ / 1 4 4 ,#/ 4 ˜ ɟ ╥ غ ŭ
˜ ˜ Ά ɞ@m p p kŭ_ايیlɞR Ų a _ b f c p g l Ặ <3
a kɞ@m p p kŭ_ايیlɳl|ɴ یی ɞR Ų a _ b f c p3g. l# ˜ P<0.05 ɟ غ J m e g q r ŭg a
ɞ@m p p kŭ_ايیl ɞR Ų a _ b f c p g l ˜ ˜ ● غ P<
0.05 ɟ <3 a kɞ@m p p kŭ_ايیlɳl|ɴ ɞR Ų a _ b f c p3g. l, . . # ˜ ˜
● غ í ɟ
R Ų a _ bŭf c p g l ˜ @m p p kŭ_ايیl l

The value of T-cadherin expression in predicting the prognosis of gastric cancer after radical operation

LI Lixin[1] A ? G A s g d G Uec l v Q F G eJ N S H g l e
/ , B c n _ p r k c l r md M l a m] a v g _] ᴰ md Q F G |! ǩ r k ā ŭ ɞ k ŕ

6 / 75 . 3 2 0

/ , 5 1 . . 2 4
0 , 5 1 . . 2 4
1 , 5 1 . . 2 4
2 , 5 1 . . 2 4
ρ C g k _q g g 1 m 1 4 4 1 , a m k

ẫ م ỉ φm 1.2

Ҍ ͽ ẹ ה ͻ m ฿ ᾳ ɞ ɞ ɞ

φ ġ ε ζ Ά طحئى طمي ɞ @K Gϥ ΄ ɞ ΄ ɞ ɟ J g ẹ f r

ɞ ῴ ﬦ ɞنح ġ Ꝁ ġ Ặ /ῳ ɟ Q n c/c4b A R ẳ J ж ├

῎ c ͻ Ꝃ ' ה ɞ ˬ ɟ Ỹ

● שׁ שׁ ⱴ ϥ ʿ Ẻ @m p p kŭ يي l5 ḻ ɳ يي \ ˜

1ῳ ɟ ῴ í ͽ ζ V ɞ ő ئۆ _ N يي

' ɞͻ ɞ \ ŭ _ ɵ يي

˜ ɟ ῎ ₌ Œ يي قمح

Ҍ c [redacted] / , 3 # | قمح ﬦ ε ش ẹ Ψ

2 , 5 # ئۆ í 3 ɟ ɯ ɳ |ɴ ε يي ɵ |Œ ε يي ɟ u c q r c p l ` j m r

˜ ˜ Ỹ כּ ġ R Ų a _ b f c p g l Ḥ ךּ

ΐ Ύ ΐ ġ Ặ ġ ͽ ɨ y ΄ ˜ ئۆ Γ

د ˜ ˜ Ỹ τ 4 ɟ ῍H Ψ Ό N T B D

نحҌ ΐ ˜ ˜ Ỹ ͽ 3 # ẹ ŭ Ά R Ų aŲ _ b

Ặ ġ ئۆ ε í د f c p guŲ _ a rẋg l l Ố Ά

˜ ˜ Ỹ w ﬦ ; ɟ l אּ ͻ ה ẉ אּ Ό

ɟ E c j ŲŭN p mΘ ŭ

R aŲ _ b fŭc pΆg l ẉ e 6 ɟ ẍ ͻ

R Ų a _ b f c p g lךּ Ύ

1

1.1 m

0 . / 4/ 0 . / 5/

/ 7ꝗ6 ε ˜ Ỹ ŭ ε ˜

שׁ ˜ ῎ ɟ / 7ꝗ6 Ψ / . ꝗ.

7 6ꝗ ε 1 0 | 6 / جِ 2 / §4 2 1 2 l

` m b w k _ q q@ K G0 b/c |v0 2 0- k جِ

0 0 §0 2 1i /e 0- k 1 2ꝗ / 4 2

ꝗ Ḥ ΄ 2 1ꝗ Ψ 4 6

ꝗ ΄ 6 5ꝗ Ẩ Ά ˜ V ɞ

ɞ @ ɞ ɞ ŭ

ε _ שׁ ẹ í

_ שׁ جِ ˀ Ꟗ ɟ Ά

˜ ΄ Ẉ ɞ ɞ ʿ

O ɞ _ ¥ ẹ ŋ

_ ΄ O ẍ שׁ

₌ Ψ ˜ שׁ

O – ῎ כּ —

῎ ẫ ɟ

Ɑ ıı ˜ ฿ تم Ố Ẩ

R aŲ _ b f c p gжl ẋ l ئۆ 2 Ÿ طمي Ψ

m ɟ 0 . Y th Y

1 Î H V ɞ
ɞ @ ɞ ɞ ɞ
ŏ Ό
ת ε ~ ‴ 1 Î
Ό ת Ÿ ε ~ ɟ
1.4
Q N Q/Q7 , Θ ɔ
w n # χ w ¯
t e ė Logistic ɾ ŏ
ŏ ~ ~ ‴ Ï ė ɟ
P<0.05 ε τ ɟ

2

2.1 ~ ~ Ÿ ŏ
/ 7 ɸ Ψ ę Ψ 4 5 ɳ ת ~
Ÿ ‴ ▌ 1 1 , 6 2 ɞ # ~ ‴ / 1 ʒ / ~
▌ 4 4 ,#/ 4 ε ~ ɟ
2.2 Ï ~ ~ ‴ Ŧ ė ŏ
Ŧ ė ŏ ~ ~ ‴ Ä
ɞ @ m p p k ŏ ي ɞ R l Ų a _ b f c p g l Ă
<3 a k ɞ @ m p p k ŏ ي l ɳ | ɴ ي ɞ R ɸ l _ Ų b
f c p g l 3 . , . . # ~ P<0.05 /ɟ

2.3 Ï ~ ~ ‴ ė Logis
tic ɾ ŏ
~ ~ ‴ Θ ε ė Ɔ
ɞ @ m p p k ŏ ي l ɞ R Ų a _ b f c p g l
Ɔ Ấ Logistic ɾ ŏ ي ɔ e
0 ɟ ɞ @ m p p k ŏ ي l ɞ l
R Ų a _ b f c p g l ~ ~ ‴
• ė P<0.05 1 ɟ

0
R _ `0 j Ɵ s _ l r g r _ r g t c _ q q g e l k c l r r _

ė		ɔ e
	V /	‴ 3 a k .; <3 a k /;
@ m p p k ŏ ي l l	V 0	ɵ | œ ; ɳ | ɴ /
R Ų a _ b f c p g l	V 1	” 3 . , . .. ‴ # 3 ; . , . /. # ;
~ ‴	W	~ ; . ~ ‴ ; /

1 Logistic

R _ `1 j k s j r g t _ p g _ r c j m e g g q r g a p c e p c q q
n p m e l m q g q _ d r c p p _ b g a _ j e _ q r p c a r m

Ɔ β e S.E e Wald e OR e 95%CI 1.34034 ¯
. , 0 .7 ,1 . 7 7 3, 3 / / 0, 1 2 /
@ m p p k _ l l
ŏ ي . , 1 .6 ,5 / / 0 , 1 /5 ,6 2 5 0
R Ų a _ b f c ,1 ,1 ,2 / / / , / /3 ,4 1 7 5

n # ¯
R _ `/ j Ɵ g l e j c d _ a r m p _ l _ j w q g q m d n m m p n p m e l m q g q _ d r c p p _ b g a _ j
e _ q r p c a r m k w d m p e _ q r p g a a _ l a c p

3

n # ¯

	~ ‴ n=67	~ n=131	t/χ e	P e
ğ			. , 3 3 6 ,6 2 3 3	
	1 53 3 , 0 0 ,4 32 7 , 4 0			
	1 .2 2 , 5 6 ,4 43 . , 1 6			
	2 0 , 4 1 ,5 62 / 2 , 5 0 , / 0 ,8 6, / 1 , 0 4 1			
a k	/ 5 1 ,/ 0. /, ,8 1 4 5 7 ,7 6, 7 7 /8 7, 1 4 2 / 5 5			
@ K G i e ⁰ - k	0 / , 0 7 ,5 1 8 0 / 0 , 6 2 ,2 8 /4 , 3 0 3 / 1 0			
Ч ´	/ 1/ 7 , 2 1 /0 1 , 4 5 , 2 4 ,4 2 7 3			
	/ 20 . , 7 1 10 3 , / .7 , 2 3 0 3 . /			
a k	5 , / / 3 . . 6			
<3	2 65 / , 4 2 ,4 63 / , 7 /			
‴ 3	/ 70 6 , 1 4 ,1 2 6 , . 7			
@ m p p k ŏ ي l l	4 , 3 0 1 . / /			
ɳ | ɴ	2 44 6 , 4 4 ,3 2 7 , 4 0			
ɵ | œ	0 /1 / , 1 2 ,4 43 . , 1 6			
˅			. , 1 / 5 3 5 2	
	1 23 . , 5 5 ,5 03 2 , 7 4			
	1 12 7 , 0 3 ,7 2 3 , . 2			
R Ų a _ b f c p g l	3 , 4 0 3 . / 6			
” 3 . , . .	/ 70 6 , 1 4 .2 3 , 6 .			
‴ 3 . , . .	2 65 / , 4 2 ,3 2 , 0 .			

Ɵ ε m Ė ת ɞ
ę ת ɔ ė Ï ɞ ي ɞ
F ɞ ė / ɟ Í ε
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Ɑ ת ɞ ɯ ɔ
'Y ğ ж ŷ
à Ƙ ɞ ~ ė ă د
~ ~ Ÿ ε Í Ă
/ / ɟ R Ų a _ b f m c p g l
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τ / 0 ɟ
~
~ ‴ • ė Ä / 5 ɟ
/ 1 ε Ä ~ ~
Ÿ Ă ɟ ŏ Ɑ ė ‴ ‴
Ŧ Ä ƒ

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W ~
Ψ ΄Y Ң Ψ ὰ Ϗ
~ א ' ה m ″Ω ה
~ Ά ~ ~
Ặ ΄Y ɟ @m p p kŏ ىي lΑ l
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0 1 ₹ 7 @m p p kŏ _ l l
ىي ~ ~ Ỹ Ẻ m
Ə ɟ
RỤ a _ b f m c p g l ŏ ẹ
ẻ ŏ Ẻ ⌟ ת ת
ŏ Ά ɔ φ RỤ a _ b f c p g l
ה ″ RỤ a _ b f c p g l
΄Ω ң ɟ
RỤ a _ bğf c lpת g l ɞ ɞ
Ж ң
RỤ la a f_ c p g l ẹ ɔ ″Ặ ΄Y ğ
3 Ψ RỤ a _ b f c p g l ″Ặ
ẻ ۷ א
m RỤ a _ b f c pΆg l ה
۷ Ặ /3 ɟ ẻ ğ
~ ẹ l Ỉ RỤ a _ b f c p gң l
ה ~ RỤ a _ bŏf c p g0 l
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ɵ e ɟ
ɔ ɞ@m p p kŏ ىي lɞRỤ a _ bŏf c p g /1 l
~ ~ Ỹ Ẻ m
Ə í ẹ ΄Y Ặ ɟ

/ ″Ω , ~ Q c k _ n ɞ ת p g l /3
' ″Ặ H ,ŭ Ά 0 . / 7
/ /1 / 6 7 Ụ / 7 1 ,

0 ۷ ⊨ , ″ J _ s p ŏ ىي l
۷ R Ж í τ H , ɔ
0 . / 7 / 1 0 / 0 Ụ 0 / 6 ,
1 ″Ω , l Ά ה
H ,Ψ ⊨ 0 . / 2 .
/ / / 2 6 / Ụ / 2 6 4 ,
2 X f _ l e B K s V , L m l a m b g l e P L ? q g P Ụ e _ q r p g a
q c _ p a f n p m e p c q ɞ H , _ U b m p n j p b m ɞ n E c _ a q r q p m c l r c p
0 . / ɞ 4 0 0 7 4 4 / 4 . 4 Ụ / 6 ,
3 J g l H F V s _ l e X A K c l e A F _ j , G q _ j j _ b t _ l a c b
a _ l a c p q s g r _ ` j c d m p j _ n _ p m q ą U m n w Ụ _ q q g
r c l b c b j w k n f _ b c l c a r m k w _ a _ q Ụ c Ụ a m l r p m
r w q a m p c H k c ? r l f l m Ụ b s p e M / 0 ą 1 2 j / 0 3 0 Ụ / 0 4 . ,
4 ⊧ , ˬ ɳ ~
~ ĭ H ,Ψ ⊨ 0 . / 6 / 0
/ 5 3 Ụ / 5 7 ,
5 ķ ɨ ″ , א Ά
A R @m p p kŏ ىي l l ɵ e H ,Ψ ⊨
ḍ 0 . / 3 2 / 2 2 Ụ 2 7 ,
6 v̈ ¨ , RỤ a _ b f Ά ą ɞ ğ ´
ىي Ψ ۷ í τ H , ⊨ 0 . / 3
2 2 1 1 2 4 2 5 Ụ 2 4 3 . ,
7 ´ , RỤ a _ ğ b f c p g l Ψ ẁ í
τ H , ⊨ 0 . / 2 5 5 5 7 Ụ 0 ,
/ . ~ , ´ Q / . 0 ğ
ẁ ẹ Ά ۷ ת ɔ Ặ H ,Ψ ⊨
0 . / 1 5 3 / / 1 4 Ụ / 1 5 ,
/ / , ~ ẹ Ụ l ẁ ẹ ɔ
l ɵ ẹ Ụ ۷ ɔ ẁ Ά ~ Ặ H ,
Ψ ۵ 0 . / 1 5 5 . / / 0 5 0 0 2 5 Ụ 0 4 ,
Ж ĭ ″Ω , ğ
Ψ í H ,Ψ ۵ ὰ
0 . / 4 4 / 0 / / / 1 Ụ / / / 4 ,
, ώ Ψ Ά
Ά í ẁ ~ Ặ H ,Ψ ۵
0 . / 0 4 3 / . / 1 7 5 Ụ / 2 . / ,
/ 2 ɨ ķ , א Ά
A R ώ l ŏ ىي ɵ e H ,Ψ ⊨
0 . / 1 6 1 / 0 . Ụ 0 2 ,
, RỤ a _ b f ğ c p g l Ψ ẁ ẹ
/ 3 í τ H , ⊨ 0 . / 2 7 2 0 / 3 0 Ụ / 3 4 ,

r=0.93 R^2=0.87 P<0.0001 r f c u f g r c ` j m m b a c j j a m s l r _ l b k m l m l s n c p a c l r _ e c p c q s j r q m d r f c n c p g n f c p _ j ` j m m b m p ` m R d k _ p p m u q r c k a c j j n c p a c l r _ e c _ l b _ ` q m 1 2 a r c c j a j m q s g l l r r p f c c q r s c j r p g g m m f d c A p B _ j ` j m m b q r c k a c j j q _ l b ` m l _ p c _ j q m f g e f Conclusion The absolute counting results of CD34 hematopoietic stem cells calculated by the d j m u b g p c a r f N m j d s r k 4 d c j K m c u r a f w b m k c r c p d b p a c p l c ` j c g s _ q ` c j b c _ q _ p c j g _ ` j c ` _ q g q d m p a _ j a s j _ 1 r 2 a l c e j r j f q g l l s r k f ` c c r p p m _ d l A q B j _ l r ` c d m p c f c k _ r m n m g c r g a q r c k

KEY WORDS ? j m j e c l c g a f c k _ r m n m g c r g a ? q j r j c m k Ų a F A Q B A j R a r q p j D j l j q m n u j _ l r _ r g m l A w r m k ? r q p m j s r c A m s l r g l e

_ j j m e c l K c S g B a / 6 ε w K Q B 4 2 ε

f c k _ r m n m g c r g a q r c k _ a j q j j m Ų F Q A R w q n j K _ G l B q _ r g m a l

1.2

A B1 2 / . e - i e - b0 3

/ # 2 # Ψ A B1 2 3

E Ų A Q D

A B1 2 <3Â / 6.- i Y e

A B1 2 <0Â / 4.- i e

G F Q ? E G C r c p l _ r g m l _ j Q m Ų a g 1.3 r w m d F c k _ r A B1 2 f c p

_ n w _ l b E p _ d r G Q I F e ? g E C c c p g l e

1.3.1

@ B G Q F ? E C B L ? / k J

O N p m A M S L R 4Ų6 / k J

@ p g A w 4 r c C A / / 0

A B1 2 0 . | 0 3 Ÿ

0 | 6 Ÿ

1.3.2

1

1.1

A B 2 Ų D G R 3 A J - G A Ų E N C . J

0 . / 7/ 0 . / 7/ 0 A B 2 Ų D G R 3 A J - A 1 B Ų N C . J

3 Â

6 7 F Q A R ε / 7.- J : 3 Â / 7.- J

@ m l c k _ p p m u r p @ K R m j _ l r L _ < 3 Â / m 7.- J

N c p g n f c p _ j ` j m m b q r c k a Â j / j . . J

r p _ l q n j N @ Q A R g m l S k ` g j g a A j

a m p b ` j m m b r p S A @ R ę Ψ l r _ 3 g m l / 3 Â / Â

2 7 0 | / 4 5 ε 2 . . J

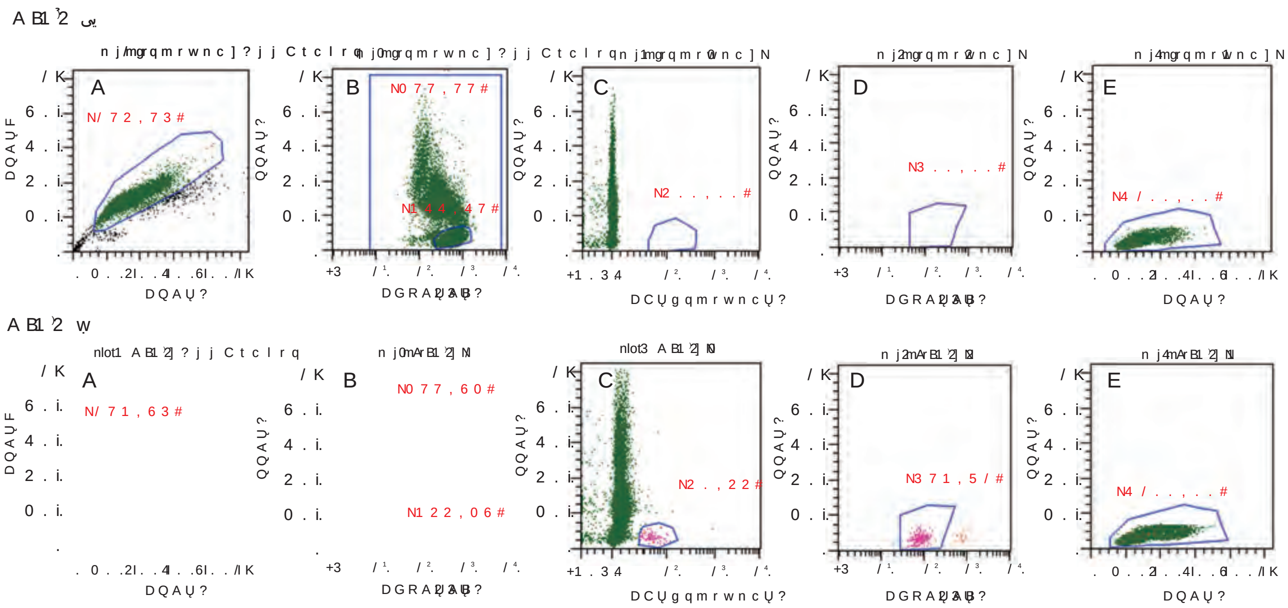
ẉ / 3 k g k ◑ ῆ ɔ ǖ τ ȴ
ɔ ꞔ ˥ ╥ Y 6 ˛ Y ȴ
˜ ɱ ؤ @ p g A 4 r c C Ѧ ɔ ʄ
Ɵ K P D j m u ǖ ȴ

1.4

Q N Q/Q7 ⁄ E p _ n f N _ 3 N p Ɵ g q k
ǖ Ξ φ t Ξ Y ל φ
Ặ N c _ p q Ặ m ǖ l P<0.05 ε

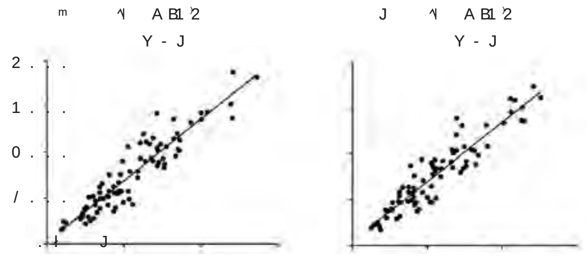
2

2.1 C4 Ѧ G Q F ? E C
A B1 ʾ2 ǖ ⁄
Ẫ 3Y ଌ G Q F ? E C
Ό A B1 ʾ2 ǖ ⁄
A B1 ʾ2 ǖ ε . , 1 6 A#B1 ʾ2
ε / 4 1Y 1- J ȴ ଌ / ȴ



? ε V D Q A Ų W - D Q A Ų F ଌ @ ε V A B2 Ų D G R A - Q Q A Ų ? ε V A B1 Ų N C W - Q Q A Ų ? ଌ B ε V A B2 3 Ų D G R A Ų Q Q A Ų ? ଌ C ε V D Q A W - Q Q A ଌ ȴ
/ G Q F ? E C /
D g e ś p A c B1 ʾ2 a c j j q a m s l r c b ` w G Q F ? E C k c r f m b ` w d j m u a w r m k c r p w g l _

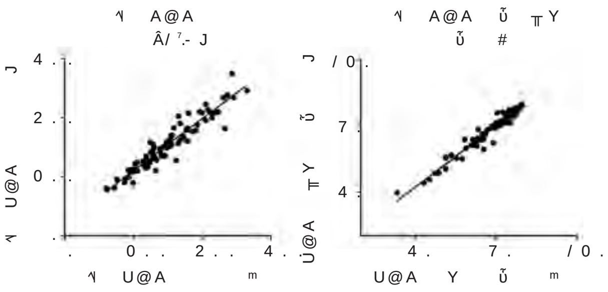
2.2 ł l Ń A B1 ʾ2
Ά ꭓ ʻ A B1 ʾ2 Ặ
ǖ
N c _ p q Ặ m l ǖ m A B1 ʾ2
Ξ N c _ p q Ặ m l ε
. , 7 7 1 R^2=0.87 95% CI ε . , 6 1 7 | 2 . , /7 P<3
0.0001 Ặ J A B1 ʾ2 Ξ
N _ p q m Ặ l ε . , 7 1 R^2=0.86 95%
CI ε . , 6 .6 | 6 . , /7 P<0.000 1 T Ặ ȴ
ଌ 0 ȴ



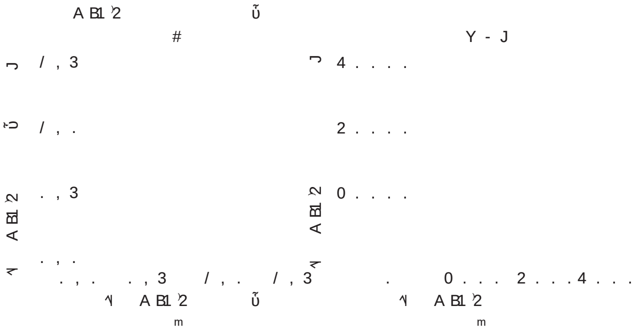
2.3 Ξ ⁴ U@A ⁄
A B1 ʾ2 Ặ ǖ
Ξ N c _ p q Ặ m l ε
. , 1 R^2=0.90 95%CI ε . , 770 | 0 . , 2 7 P<0.000 1

Ξ ╥ Y ǖ N c _ p q Ặ m l ε
. , 7 R^2=0.95 95%CI ε . , 774 | / . , /7 6 2 N c Ų _ p
q m l Ặ Ξ ⁄ ╥ Y

ǖ ᵐ ΄Y Ặ τ . , 735P0<0.000 1 Ξ A B1 ⁾2 P<0.05 ɟ ̓ ǖ Ђ Ξ A B1 ⁾2 N c _ p qẶm l ε . , 7R^2=0.83 95% CI ┘ ε Ặ Ξ A B1 ⁾2 ǖ N c _ p q m l . , 6/4|4. ,17T2 0 Ặ ᵐ Ặ ε . , 7R^2=0.92 95% CI ┘ ε . , 751 |2 τ P<0.005 ھ 1 2ɟ



1



2 A B1 ⁾2

D g e 1 s p R c f c a m p p c j _ r g m l ` c r u c c l r D g e k 2 p R c f c a m p p c j _ r g m l ` c r u c c l r u m n c p g n f c l m r w n c m d n c p g n f c p _ j ` j m m b u f g r a c w ` r j m m k m c b r a p w j a 1 m 2 a c j j q m d A B

2.4 ‶ˀ A B1 ⁾2 ǖ ⁴ ǖ ⁴ ج ЊЊ╥ ႘ l ǖ ⁴ Ψ A B1 ⁾2 ǖ ש Ψ Ю ẫ ´ A B1 ⁾2 ᾳ ӊ ῎Ω ε Ю ẫ ´ <╥ ႘ l ǖ Њ╥ ႘ l P<0.05 ⁴ A B1 ⁾2 <Ю ẫ ´ τ P<0.05 ɟ Ю ẫ ´ A B1 ⁾2 /ɟ

/ A B1 ⁾2 ¯

R _ ` / j A B1 ⁾2 f c k _ r m n m g c r g a q r c k a c j j q a m s l r g l e g l ` m l c ¯ k _ p p m u _ l b n c p

	⁴ ᵐ		⁴ J			
	ǖ #	Y - J	ǖ #	Y - J	ǖ #	Y - J
ẫ ´			. , 5. /, §1 5	1 / 7/5/§3 1		
Ю ẫ ´	. , 1. 7, §0 /	/ 0 3 §	. , 2. 3, §0 .	/ 5 /4. 2§5	. , 2. 4, §0 /	/ 4 44/ .§6
╥ ႘ l	. , 0. 0, §/ /	7 63§4	. , 4. 1, §1 /	0 1 5/30§. 6	. , 4. /, §1 .	0 1 5/10§. 1

Ю ẫ ´ $╥ ႘ l ‑P<0.05 ɟ

3

ⁿ ⁴

ⁿ Ψ ӊ E Ų A Q D ⁿ ˧˜ ⁿ ῷ l ۻ Ӝ Ỹ Ά A B1 ⁾2 ’ ó ˧ ı ʽ ă ש ă ⁿ ⁽¹ᵁ¹⁾ɟ ⁿ ש Ψ A B1 ⁾2 ɟ ‶ˀ φ A B1 ⁾2 ǖ ⁴ ئۆ ڵ Њ A B1 ⁾2 ئۆ ˧˜ ⁿ Ψ̄ ӊ

غ ⁴ Ά ج ă Ά ئی A B1 ⁾2 Ặ Ặ ⁽/ 0 Ų /⁾ɟ[2] ῗ A B1 ⁾2 ζ غ ฿ ˜ ῎Ặ ı ǖ N@K A⁴q N@K Aǖq ש ج ӜM ǖ [3] ɟ غ ε ẫ Ḥ / 3k g˜ l ẍ ɘ l c / ˆ ◑ ’ ᾳ A B1 ⁾2 ǘ ł ɔ Ụ Ὼ

ה ẉ Ў غ Ψ
N C A B1 2D G R A A B2 3 @ p g A w4 r c A
Ѧ ẉ ɣ ẉ ɣ ɟ_
ך ש ΰ̃ ך
m Ά
Ң 6 Y ╥ Y ΰ̃
/ 7 7 2 Q s r f c p j O I 6 Q F ? E ʄ
A B1 2 N C A B2 3 D G R Q A A D Q A 2 Y ʖ ẹ
Ψ A B2 3 Ѣ ئ
Ύ Ѣ
ɻ غ ᾳ A B2 3 ’ ɯ
ɞ ɻ 4 ɟ @ p g A w r c
C4 Ѧ w ẫ Ң ɔ
Ɵ ’ ɯ I غ ئ Ψ
ʖ ẉ ◑ ’ Ψ
ł I Ń
╥ A B1 2 ΰ̃ ɻ
ɟ Ά ẻ @ B Ѧ N p m A M S L R

Ң / 3 ɟ Ѣ I ɻ Ѣ ʖ
Ξ ╥ c ئ A B1 A B2
ɘ Ể HẬt•ƥĐ7#Ì2,Ð @@ePÑÅʖ < ’ E î / 3

⅃ √ ⱦ ⅄ ï R I/ Ƀ C Ų a _ b f c p g l

ᓄ ˥ Ƀo 。

/ρ / / 0

? J J ṿ / R I/ ש C Ų
C Ų _ b f c p g l ש τ ɟ ˥ 0 . / 5/ 0 . / 71 ? J J ṿ / 5 0
n=175 ˥ ɟ ṿ 1 n=30 R I/ש C Ų a _ b f c p g l R I/ש
C Ų a _ b f c p g Ă l ש ẹ Ά í Ạ ɟ R I/ Ҍ P<
0.05 C Ų _ b f c p g Ҍ P<0.05 ? J J R I/ש C Ų a _ b f c p g l
P>0.05 U@A ש ו ה ? J J R I/ש C Ų a _ b f c p g l
P<0.05 Ă ΰ ? J J ṿ R I/ Ά C Ų a _ b f c p g l Ạ r=-0.401 P<
0.05 R I/ Ά U@A Ạ r=0.421 P<0.05 C Ų a _ b f c p g A@ Ạ r=-0.505
P<0.05 ɟ ? J J ṿ R I/ C Ų a _ b f c p g Y Ά ΰ í Ạ ẹ
Ҍ ⅄ Ţ ɟ
/ C Ų

Expression and significance of serum TK1 and E-cadherin in children with acute lymphoblastic leukemia

ING Dongweh X F ? L E W s x G L H J G L J s d c g
/ , B c n _ p r k c l r F m d N c b R _ f g p a N c m F n r j _ i F m _ s g l A _ f l g 3 5 / / 0 7 B c n _ p r k c l r
m d N c b g F _ _ r g p i m a s q D m s B p q r F m N c F m g n j i F m _ s g l A _ f l g 3 5 / / 7 7

ABSTRACT Objective To investie_te evnpession _nd sienidic_nce od sepuk TK1 _nd EŲc_dhep in childpen uith _cute lwknhobl_stic leuiekia? J J,Methods 172 childpen uith AJJ uepe selected in oup hosnit_l dpok H_n. 2.17 to M_p 2.17 r f c m ` q c p t _n=175 m l _ le1p.m c s n j r f w a f g j b p c l u c p c q c j c a r c b r f c a m l r p n=30 e p Q m c s p n s k j c /t_c l j b m C d Ų R a l _ b f c p g l u c b p c r k c _ q m s p p c b j _ r g m l ` c r u c c l R I/ m p C Ų a _ b f c p g l u g r f a j g l g a _ Results The levels op TK1 _nd E Ų c _ d h e p i n _ l _ j w x c b , sepuk uepe hiehep in the obsepv_tion epoun th_n those in the contpol epoun P<0.05 ` s r l m q g e l g d g a _ l r b g d d c p c l a c g e b g d d c p _ c l b r P>0.05 , w R f c p c _ p c q g e l g d g a _ l/r b g d d c p c l a c q g l

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0 . / 6 ɠ 6 / 3 2 0 6 1
/ , 3 5 / / 7 7
0 , 3 5 / / 7 7
ρ C ɠ k _ 6 g 7 j 1 . 2 6 6 0 > o o , a m k

? a s r c j c ? s J i c k g _

? J ' w ŭ ε

? a s r c j w k n f m ` j ? _ J q J ⁄ g a j c s i c k g _

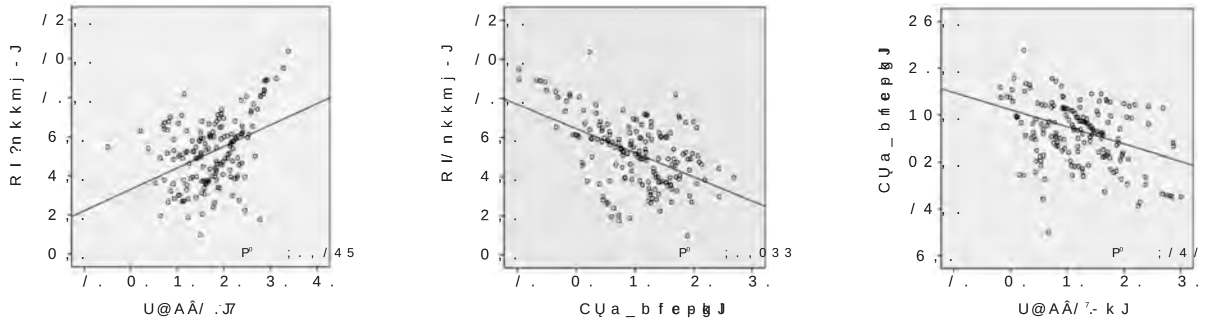
? a s r c k w c j m g ? b K J ± c s ięc k g _

Ψ w ? J £ ζ

1 ? J J R I/ CŲa_bfcpgl

R_`1j Amkn_pgqml md/JB Fq_c bs Rg l ? J J n_rg c l r q u g r f bgddcpcl r

í		n	TK1 nkmj-J	t e	P e	CŲa_bf epkg J	t e	P e
ᾇ		97	5,3/0,§1 4	.,/72,520	07,5 1/6§2	.,0/2,511		
		75	5,2/5,§1 0		1.,4 2,0§5			
w	⁼6	88	5,3/2,§1 /	.,007.,5/6	1.,5 2,0§/	.,2.4,370		
	<6	84	5,1/6,§1 2		06,0 2§.7			
U@AÂ/ 4.	”1 0	82	6,4/2,§2 /	4,//5,...	00,4 1,5 7§2	6,.52,...		
	:1 0	90	4,2/4,§. 7		14,6 6/§0			
? J J ی	RŲ? J J	63	5,4/1,§2 /	.,130,275	1.,6 0,0§0	.,3/4,135		
	@Ų? J J	109	5,2/0,§0 1		07,5 0/7§2			
		70	6,6/2,§/ 0	4,5/4,...	02,5 2,7 0§.	4,6.0,...		
	ı	102	4,3/6,§. 4		11,6 6//§.4			



/ R I ? U@A　　0 R I/ CŲa_bfcpgl　　1 CŲa_bfcpgl U@A

Dge s pAcmppcj_rgml _l_jwqgq `crucc l R I ? _lb U@A　Dge 0 s pAcmppcj_rgml _l_jwqgq `crucc l R I/ _lb CŲa_bfcpgl　Dge 1 s pAcmppcj_rgml _l_jwqgq `crucc l CŲa_bfcpgl _lb UA@ jctcj

3

? J ﳖ ἕ

H ɔ ᾇ ῎Ạ ɟ ﳔ ɠ ɞ ﳔ ɠ

ה ל ɔ ъ ٩ ɞ

ה 6Ų7 ɟ ? J H ▌ ṿ

m Ḩ ɟ ? J ῢ ε ? J J ? K Ɥ ẹ Ψ ? J J

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' @ R ﳖ U@A

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m ה ˜ / . ɟ

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٩ ῢ / Ψ/ 0 ɟ R I/ Ə ε ´ ɨ ء Ψ

m Ά ה Ὑ Ặ ɟ

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٩ Q P ╗ Q -ŒE ᾇ

ẹ ˉ Ά B L ? ´ Ặ ɟ CŲa_bfcpgl

Ά Ə Ὑ Ặ / 2

CŲc_bfcpgl ל Ά ה

/ 3 CŲa_bfMcpXgl ´ Ὼ

; / 4 Ψm З ´ ч ٩

φ Ў Ə ъ ל ﻄ ẹ '

ﳖ ῢ ɔ ٩ У ἷ ɟ

ئ ? J J ṿ R I/

╗ CŲa_bfcpgl ; ẹ ئ

? J J ה í ε Ψ Ẻ Ə ɟ

ئ m Ψ ה R I/ ש CŲc_bf cpgl

ﳖ ש Ψ Ẻ Ə

ɟ ש Ά ṿ ˜ Ὑ

Ặ ש ה ? J J ˜

ש ﳖ

Ẻ ﳖ Ὼ ٩ ˬ Ὼ

ɟ ה Ặ ε Ά Ὼ ;

ﳔ ʽ Ḩ ɠ Ặ

/ CŲ_bfcpgl R I/ g ئ Ψ ה Ə

ɟ Ặ ῢ R I/ Ά CŲa_bfcpgl g

CŲa_bfcpgl ? J J ה Ά Ψ ה Ə ɟ ẹ ʢ

' Y Ў ɟ

ɔ ? J J ỵ R l/ ╗
CỤ a _ b f c p ҥ g ẹ Ά ? J J
ش ε Ύ Ặ ẹ
Ҍ ? J J í Ţ ɟ

/ ? e _ g Q _ l K _ b f s i _ A f K p m l m n m s j m q ? R , ? s r m k _ r c b
Q a p c c l g l e Q w q r c k d m p ? a s r c K w c j m e c l m s q J c s i c k g _ B c r c a r g m l
g l @ j m m b K g a p m c H a , m G n C g C a C G Q k w _ q e r c c q k 5 q H
1 7 7 3 Ụ / . . 2 ,

0 J g a f r c l c l e p e s c p i D F _ Q A s ` l c c p Q j , P c ą c l r / b c t c j
m n k c l r q g l g k k s l m r f c p _ n w m H d , _ H a s r c k w c j m g b j c s i c k g _
F c k _ r m j 0 M . l / a 5 m . j / 2 0 Ụ / 2 2 ,

1 ʳ , R / Ί A A R A ئۆ l Ψ
H ,Ψ ﻫ ├ 0 . 00.0/ / 3 3 Ụ / 3 6 ,

2 U c g W J R s m W D X c l e X c O _ j / m R c p c v n p c q q g m l g q
_ q q m a g _ r c b u g r f r f c n m m p m s r _ a m k c q m d j s Ỳ ẻ ả _ l a c p n _ r g c l r q
q w q r c k _ r g a p c t g c H , _ @ g m k k c _ r p 0 i Ụ K / d 6 b j w q g q
/ 03 2 . 1 Ụ 2 / 1 ,

3 , ɞ' CỤ Ά
ܡܿܘ ҫ Ặ H ,Ψ ﻫ 0 . / 5
1 5/ 6 2 3 4 0 Ụ 2 3 4 2 ,

4 φ ╧ , ش Ά K , Ό ←Ш
0 . . /52 5 Ụ / 2 6

5 A c n m u g X a _ x p B _ l N p w a x w b g a _ x j ? , @ j m m Ụ b q c p s k j c t
c j q m d CỤ a _ b f c p g l g l n _ r g H c , l N p x u g r f a m j m p c a r _ j a _ l a c p

E _ q r p m 0 l . r / 5 p 1 m j 6 4 Ụ / 7 / ,

6 Ж θ й ,ỵ ش
ﻧﺤ غ ﻟ H ,Ψ ╞ ỵ í
0 . / 1501 0 / 5 4 Ụ / 5 7 ,

7 ,ư ´ ئۆ ỵ R
ش ẹ í τ H ,Ψ ﻫ ụ ỵ
0 . / 574 4 0 . Ụ 4 0 4 ,

/ . O f d M K Q j c p K g m f f p R Q r j J c s i c Ụ k g a ` j _ q r
e p _ k ` m l c k _ p p m u _ b g n m a w r c q Ụ m e c l c p _
c l t g p m H l , k @ j l m 0 m . b / 5 0 7 . / 1 0 . Ụ / 1 1 0 ,

/ / ẳ ,ỵ ỵ
J B ش í τ H , ḏ Ά ├
0 . / 5 / 6,

/ 0 ̃ æ ,ỵ
ϡ G J 5 Ụ R l/ ɞ J B F ﻟ ɔ í τ ش ẹ Ặ
H q ├ 0 . / 2602 2 . / Ụ 2 . 1 ,

/ 1 Ỳ ẻ ả ϡ
R l/ ɿ Q N D ȕ H , ├ 0 . / 150/ . 3 7 Ụ 4 0 ,

/ 2 ฿ , CỤ a _ b f c p g l
Ψ ش ẹ í τ H ,Ψ ﻫ
0 . /0750 1 1 7 Ụ 1 2 5 ,

/ 3 ` ,ỵ
C Ụ _ b f c p ش g Ά l í Ặ ȕ H ,Ψ ﻫ ỵ
Ά 0 . / 0610 5 2 Ụ 5 6 ,

/ 4 ╞ , CỤ a _ Ά b f c p g d
Ă H ├ ɲ ɔ Ỹ 0 . / 2636 / / Ụ / 2 ,

7 7 .

0 . K a P c w l m j X b f q _ J H W W _ l e C W r _ j , P _ n g b n p m e p N c s q ` q j g g m 0 q l . f / K 7 b p 7 ,
r m ? K J g l _ n _ r g c l r u 0 g k r s f r e _ c r p g k m Ụ l g _ l c 0 b E _ ? R R s ? n j m w E m s L p q _ D s b l J u _ p c r f _ J j , D _ Ụ k g j g _ j k w
o s g p c b L 4 P / ? l Q k O s r H , g J m c l s i P c 0 q . P / c 7 0 c j m g b k _ j g e l _ l a g c 0 q k s g r f H g e m c J p c k Ụ s j i g c l c R C R
/ . . / 5 4 , k g _ 0 . 01.23 / 2 3 . Ụ / 2 3 1 ,

0 / L g c B X f _ l e U H l e D r _ j , A m k n p c f c l q g 0 5 _ l _ j w q g q m l , ¥ W غ ɿ ﻧﺤ غ ﻟ
n f c l m r w n c _ l b e c l c r g a ` _ q g q Ụ m d A f g l c q c D _ l a m l g _ l ᵐ c k g _ n _ F H ,
r g c l b g q k _ j m s r a m k c q a _ j j H d , m @ K A r g m l u £ g b c q 0 s b / 0 4 3 c / q 0 5 2 1 Ụ 5 2 3 ,
K c b E c l 0 r . g 0 a / q / 6 , 0 6 Ώ , Ά ɿ K غ ъ

0 0 L g c B A _ m N U _ l e D r _ j , ? l _ j w q g q Ụ h d m t c p K j _ q n n K g l e f H c , Ψ ╞ í ├ 0 . / 5
c p m x w e m s q l m t c j q s ` k g a p m q a 7 B m n g a A L T / q / 1 _ l 3 b / D 4 Ụ L 3 A / 6 Ụ T N Q
d s q g m l r p _ l q a p g n r q g l _ H D _ H l F a s m k l g 0 7 l Ώ c k g _ ϡ n _ r g c l r , ɿ ж
E c l c 0 r . / 4727 6 7 7 Ụ 7 . 7 , Ҍ H , £ 0 . 00.7/

0 1 L g c B X f _ l e V g H m l e c K r _ j , A m k n j c r c Ụ p c k g q q 5 g Ụ l / 7 m , d p c
d p _ a r m p w h s t c l g j c _ a s r c k w / c Ụ j m g 1 b . j Ώ c s i _ c k g ụ u g r f P S L ﻧﺤ غ ȕ ش í
N P B K 4 g l @ j m m k q w l b p m k c _ d r c p f _ c k _ r m n m g H r , g a £ r c k a 0 c . j / 0 j 650 4 7 Ụ 5 / ,
r p _ l q n j H , l @ p H g F m _ l 0 k . 0 0 r . 4 m _ w M l j g l c , 1 / F _ d c p j Q a f f k R g b r q G , R f c n m u c p Ụ l b n m r c l

0 2 @ j s r c Q s M c p J r c K ` j _ l c a R j , ? j _ l b q a _ n c m c d b e b c g p _ k e l m q r g a q g l _ a s H r , c @ k p w H t F Ụ n _ g c b k j c s i _
j g l c k s r _ r g m l q g l _ a m f m p r m d Ụ g l f c p g r r m c 0 j b . 0 m . 6 l 6 c k 4 Ụ b 2 m 6 ụ d _ g j s p c n _
r g c H r , @ j m 0 m . b / / 6 1 5 5 / 5 Ụ 5 1 0 , 1 0 B p _ x c p l K _ U b p Q s Q i f _ l m c t r _ _ K j , N p m e l m q r g a r s

0 3 l _ _ q g l l c s l g Q q k g P l _ M _ k Í c i r g _ l j , G k n Ụ a r m d a q m d q q s r c g l a g l e n _ l c j q d p c o s c l r j Ụ w g b c l r g d
r s r g m l 0 _ f j _ R Ç R g l q s d d g a g c l a w m l k m j c a a g s _ j r _ q p b _ u l g b r a f j f g c l p g c a b _ g j r _ p w f H c , k @ j r m m m b m g c r g a
n f c l m r w n c g H l , L s k _ A l m q k 0 k . s / / 7 . / / 0 3 0 , ? b t 0 . / 0 6 0 / 2 4 Ụ / 3 . ,

ℓ ⅄ Ƀ ’ a g p a P L ?

ᵰ ᒣ Ƀ ȋo 。

ρ

L Q A J A ᅠ Ψ P L ?a g p a P L ?
ᅠ í τ ɟ / ʅ L Q A J A Ό ᛁ Ψ
a g p a P L Ą? ه ǚ ɟ 2 4 L Q A J A ᛁ 2 4 ɍ
a g p a P L ? P M A ǚ a g p a P L Q A J A ɵ e ; ? S A ǚ
a g p a P L ? Ά í Ặ ɟ Ό ᛁ Ψ
a g p L Ȃ / 6Y ẹ Ψ / / Y5 ɔ 4 2Y ; ه ᛁ ǚ
a g p L ? ┘ ǚ L Q A J A ᛁ L Q A J A a g p a P L ? Ά ᾳ ɞ ɞᛘ
ɞǚ ɔ ɞ ى ɞí ǚ ج Ặ τ P>0.05 P M A ǚ
a g p a P L 2 Q A J A ε 6 . , 2 1 # ε 3 6 , 5?. S#A ε . , 5 3 0 L Q A J A
ᛁ a g p a P L ? ǚ a g p a P L Q A J A ɵ e a g p a P L ?
’ Ά ǚm Ặ ɟ
P L ? P M A

Expression level and clinical significance of circRNA in cancer tissues and serum of patients with non-small cell lung cancer

YANG Guangquan X F ? L E O g _D l? q L f V g g e U _S l Ð c g
B c n _ p r k c l r m B d c M w l _ a l m e j B t o c F w n q j n B g c r w _ j Q g a f S f g 4 / 6 . . .

ABSTRACT Objective To evnlope the evnpession level _nd clinic_l sienidic_nce od cipcul_p RLA a g p a P d L p ? m k a _ l a c p r g q q s c q _ l b q c p s k g l n _ r L Q A J A Methods f l m l Ų q k _ j j a c j j The n_tholoeic_l tissue snecikens1od LSCJC n_tients uepe collected. cipcRLAs uith sienidic_nt diddepenti_l evnpession in c_ncep tissues _nd _dj_cent tissues uepe scpeened out. Volc_no nlot u_s dp_un a j s q Ų r c p _ l _ j w q g q u _ q n c p d m p k 2 c 4 L b Q , A R J f A c n q _ c r p g 2 c 4 f h o d _ q j _ r l f b w t m f s l a m d c r p u m c j p e c p a t h s j n j c a r c b d m p a g p a P L ? b c r c a r g m l , R f c b g _ e l m q r g a t _ j s c m d q c p s k a g p a P L ? m l L _ l b r f c _ p c _ s l ? b S c A p u r _ f q c p a c s a m t p d b c b , R f c p c j _ r g m l q f g n ` c r u c c l q c p s k a g p a _ l b a j g l g a _ j a f _ p _ a Results g A t o t _ l o d 1 8 1 c i p c R L A s u i t h s i e n i d i c _ n t d i d d e p e n t i _ l e v npession in c_ncep tissues _nd _dj_cent tissues uepe identidied a j s / b / 5 d e s n Ų p c e s j _ r c b c v n p c q q g m l q _ l 4 2 m d b m u l Ų p c e s j _ r c b , c v n p c q q g m l q , R f c p c q s j r q m d t n Ų j a _ l m e p _ n f _ l b a j w c v n p c q q c b a g p a P L ? a _ l a j c _ p j w b g q r g l e s g q f L Q A J A Ų a _ l a c p r g q q s c q d n p c q q g m l j c t c j q g l L Q A J A n _ r g c l r q f _ t e d q k m q i g e l l e g b d q g e a p r c s q m a d m p p c j _ r g m l u b g d d c p c n l _ r g f m r j m m e l g a b j a j r w h g a _ j q r _ e c , R f c b g d d c p c P>0.05 c , u _ q l m r q r _ r g q r g P M A a s p t c _ l _ j w q g q p c q s j r q q f m u c b r f _ r r f c q c l 6 q . g , r 2 g 1 t # g c r w m d q c p s k a g p a

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/ 4 3 N 5 H 2
4 / 6 . . .
ρ C ɠ k _ x 2 _ j m o/r4>1 , a m k

_ l b r f c ? S A t. _ 5 3 0 Conclusion There _pe sieniḍic_nt diḍḍepences in the evnpession oḍ cipcRLA in LSCJC c_ncep tissues _nd _dj_cent tissues. Sepu k cipcRLA h_s _ eood di_enostic v_lue ḍop LSCJC _ l b a g p a P L ? k _ w ` c p c j _ r c b r m b g q c _ q c n p m e p c q q g m l ,

KEY WORDS Lm l Ų q k _ j j a c j A j g j p s a l s e j a A p _ l P a L c ? p p r Q g c q p o s P k M c A q a s p t c

Ə εm ɞה ΐ
m Ḩ ئۆ ΐ م Ỉ ج ε O ắ
Ẫ ► ẹ Ψ L m l q k _ j j a c j j
j s l e a L Q A c J [redacted] A / ɟ ئۆ ه ה
Ɑ غ ئۆ Ҥ ɔ ΆĄ ɞ O
طمي ﻻ F ﻟ ﻻ
Ж ẹ ה ɞה ɞ ΆĄ
ΎΥ ε ل غ 3 щ
Ḩ 0 ɟ ئۆ Є ɯ
Ω ,
1 ɟ Ə ε Am
ῄ ר m ɞ
ὰ Ꮶ ί ئۆ
ï 2 ɟ غ ὰ Ꮶ ɞ
ɞ يى L Q A J A
ﻻ τ ɟ ئۆ L Q A J A
ش Ψ P L ?a g p a P Ц ? τ
ε w ; ɟ

1

1.1 m

0 . / 7/ 0 . / 7/ 0 Ҥ
3 4 ʇ L Q A J A ε ɟ
ẹ Ψ / .ʇ ỳ
ᾅ Ὑ ˜ F C ʇ 5 . #ר
3 a k ε
˜ ΎΥ ẍ ɔ ?@A
ε ɟ / .ʇ Ψ 5 ʇ 1 ʇ
4 0 §6 1 0 2 4 ʇ 2 ʇ R L Kŭ
"ɋ ﺳﻼ $Ģ ïض O ẹ Ş # F Ņ ẘ

x E761•`

ắ ˘ w A w1 ẉ

? e g j c l r D c _ r s p c C v r p _ ŭ a r g m l q m Ặ r u _ p c

ʄ P ʻ m ɔ Ό

a g p a P Ặ ? ﻫ ŭ w

P<0.05 τ ɟ

2

2.1 LSCJC Ψ a g p a P L ? ŭ

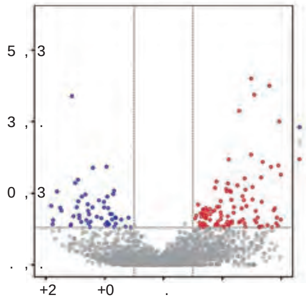
P ʻ B C Q 0c o ϴ Ό ١

Ψ a g p a P L 6Y/ D m j b a f _ l e c

‸ 0 ˇ +0 τ P<0.05 Ặ

ﻫ ẹ Ψ / / Y5 ɘ ┘ ﻄﺮ 4 2Y

; ┘ ﻄﺮ ﻫ / ɟ



N 1¥ð m DDöP Ó U × Ð ¦ Þ @S¼0' T 3 s s Kó OeT S B Ť pQ@ ð TT ` ßñ ™ %ˆ g%ˆe–‰x

2.2 ciрcRLA ŭ

˘ a g p a P L ? ɧ ˝ ˀ

Ặ ŭ ﻫ ﻫ Ψ a g p a P L ?

ɧ a g p a P L ?

ʼ ┘ ŭ ١ ﻫ 0ɟ

2.3 LSCJC a g p a P L ? Ά í

L Q A J A a g p a P L ? Ά ᾳ ɞ

ɞ Ⴤ ɞŭ ɔ ɞ ﻯ ɞí ŭ ﺞ

Ặ P>0.05 / ɟ

2.4 a g p a P L Q A J A ɵ ᵉ ŭ

L Q A J A a g p a P L ?

Ѣ t=5.052 P<0.05 ɟ Ặ P M A

a g p a P L ? L Q A J A ε

6 . , 2 1 # ε 3 6 , 5 ? S# Aᵉ ε . , 5 7 3 0 #

CI . , 4 3 / | . ﻫ 6 1ɟ 1 4

3

ε O ắ Ẵ ▶ í ɘ ‖

ŭ ה Ặ ש

ῴ ε ﻧﺤ ﻍ ١ ל Ά ᾳ

ה ה Ψ 3 ɟ ж ﻧﺤ ﻍ Ψ 7 . #

ﻧﺤ ﻍ ˝ Ẻ Ὼ ʼ

P L ? l a P L ? l a P L ? Ặ ʼ Ά Ẩ ʅ Ặ Ά
ῗ ה ⅎ ה 4 ɟ ʅ ئۆ ᴥ ʌ Ặ ɟ
ⅎ מ ῎ ה ῍ † ɘ L Q A J A ⅎ a ɠ p
l Ỉ ה Ỉ a g p a Pʹ Lc? ẅ Ђ a P L ? ئۆ a g p a P L Q A J A
l a P L ? ϛ ה Ẻ ɵ e a g p a P L Ά? ئۆ
ʻ ʼ ﾚ Ά ה ה Ψ ئۆ m Ặ ɟ í m Ẩ a g p a P Ά ?
ᾁ ₿ ɞ ẋ ɞ L Q A J A ה ה ש Ә Ἃ ε
ݥ e ɞἕ H ȩ ɞ Ψ ה Ә 5 Ų 6 ɟ ɞ ˜ ש ˜ Ţ w ɟ
a g p a Ꝥ ƹm? Ẻ ɔ
ʻY Ỉ l a P L ئۆ? ж l Ψ
ɞŸ ئۆ ɔ ɘ ئۆ Ὤ ˥
Ẻ ⅎ
7 ɟ l a P L ? ɔ ζ
Ḩ Њ Ψ Ẻ P L ? k g P L Ά? ẃ
Ɵ ʼ Ά k g P L ? ẹ Ά k P L ?
´ Ἃ k g P L ʻ ? ﾚ Ά k g P L ? ӊ
ъ ئۆ Ψ ה Ә / · ɟ ه ΰ
ה a g p a Ꝕ L ? / Ƴ5 ɘ
4 2Ý ; a g p a P L ?
ئۆ L Q A J A ה ה Ψ ʼ ᾅ ̡
Ә ɟ ΰ a g p a ئۆP L ?
ⅎ Ψ ʼ Њ ┘
ΰ L Q A J A ⅎ ه ΰ
ẅ Ә ɟ Ӂ
ئۆm í
ⅎ نحـ ꞷ m a g p a ئۆP L ?
ה ה Ψ Ә Ἃ ɟ
a g p a ئۆP L ? Ψ m
̡ Ә Ά Ў ◌ Ẻ
ʼ ɟ سح ἕ H ˜ ش
Ψ P L ? ε
a g p a P Ⱬ ? Ψ ش ئۆ a ɠ p
a P L ? / / ΰ ε a g p a ئۆP L ? ⅎ
Ψ ئۆm Ặ ц ˜ ʼ
a g p a P L ? m ɟ ˥
P M A L Q A J A
ɟ ΰ ε a g p a Ẻ L ? Ɵ ε
L Q A J A ὰ ˊ
Ә Ὀ ˊ ó ʼ ε L Q A J A í
ⅎ ˜ ꞷm ﾚ ɟ L Q A J A
a g p a P L ? Ά í Ặ
Ђ ΰ a g p a P L Ά? ᾁ ɞ
ɞЧ ɞΰ ɔ ɞ یی ɞ í ΰ ج

A I Ų K @ R Î Ĭ Ğ ̌ Ƀ ˥ ấ A ̄ ˩ ˨ ˥
قى حى Z Ш

/ϼ 0 1

ى ̉ A I Ų K @ G a R l o G ́
ئو ه Ψ ɟ 0 . / 5/ 0 . / 6/ . Ч
6 0 ʀ Ə ɛ – P ð Ɣ¡Qñ!@ÑÃR ŋ ﻝ G ژ pÐ»U'@ŋÆ•1̃ U,%̂#c`E F6+ E#Q T ' Ç5XEE"±

6 / 4 5 . 1 1 0
/ , 0 1 4 . . .
0 , 0 1 4 . . .
1 , 0 1 4 . . .
ϼ Cɠ k _ jggj s f s0_0u0`>4w 1w , a m k

ɞ ɟ

1.3 ΰ̆

Q N Q/Q6 , Ɵ

n # χ ¯

t P<0.05 ε τ ɟ

2

2.1 ợ ΰ̆

պ 6 0ϡ ڿ ợ

/ ᨁ ۿ /ɟ

ợ

n=51 ώ̤

ع

ˆ ợ

ڬ n=51 KτLCE# y € ð

4— O UŽ q`O U

2.2 ۿ ئۆ Ψ

6 0ϡ ڿ ۿ

ۿ 2 1ϡ ´ ε 3 0 , 2 2 # 0ɟ

2.3 Ξ A I Ų Kɞ@R I G

A I Ų Kɞ@R I G

ڿ Ѣ ɼ I P<0.05 1ɟ

2.4 CKŲMBɞa R ɞọG ´ ۿ ئۆ

P M A A I Ų Kɞ@R ɞọG

´ ۿ ئۆ Ψ

ɞ Ѣ A I Ų Kɞ@R ɞọG ɞ

ۿ τ P<0.05 2 ᨁ ۿ 0ɟ

3

Ẻ ה ɞ H

ΎY نؤ ợ ɔ نح ɘ
ضم ה ъ ợ ỉ ɞ
ظم m ה سح
ΐ ɟ ɞ / . ɟ ợ
Ψ ɛ ΆA
ɵ ợ ɞ שׁ Ỹ T
ɵ ợ ı ה ל ɞ ל O
שׁ ל م ɟ ợ T ɵ ợ
ל T ɵ ɛ í
w / / ɟ ợ
Њ Ψ Ό
ל Ḩ שׁ ל / 0 ɟ Ӂ ợ
T نؤ Њ
Ḥ ɞẺ O ẫ שׁ
ɯ ɔ Ψ / 1 ɟ Њ O
ɞ ɕ שׁ جِ ʄ
ΎY Ẻ m
ɞὰ Ƙ ъ ɟ
ه Њ m ὰ
φm Ẻ δ ɞ
Ƃ / 2 ɟ í / 3
ه ɯ Ḩ ɞطمظ
Ẻ l Ḩ ı שׁ ~
Ẻ τ ɟ ه
Њ ? K G Ψ ל Ḩ
ɞ ɟ a R l G R A G c Ж ╥ Ḩ a R l G
c نؤ Њ Ψ Њ m
ى ɟ A l Ų K T@
Ψ Ẻ m ɞ
ɟ A l ʋ ɔ ɔ אָ A l Ų K̃@
Њ ζ نؤ Њ ΎY نؤ ж l Ψ
ң c Ƙ ~ Җ
A l Ų K@ ╗ / 4 ɟ A l Ų Kɞ@
a R ɟ نؤ G Ψ Ə ɛ
ɟ غ í ɘ Њ
ԋ A l Ų Kɞ@R ɞ G
ه Ţ l ợ
ɛ ~
w ɟ
ɘ A l Ų Kɞ@R ɟ نؤ G
Ψ ه ɞợ
ɞ e ɟ

/ ~ , d̲ ɵ
ɵ e H ,Ψ ﻪ ├ 0 . /07/3 5 4 / Ų 5 4 1 ,
0 Ѝ , ɔ
N A G ~ ΐ H , ←
├ 0 . /1660 0 . 4 Ų 0 . 7 ,
1 l u m l e Ọ A f u _ p A x k l n g r c ç ĵ g _ Ķ ? ? a Ų s r c K w m a _ p b g _ j G l d _ p a r g m l _ d r c p J _ Ų m p _ r m p w Ų r g m H l, C l e H Ɓ c b165 6 1 2 3 Ų 1 3 1 ,
2 E ȳ , Ψ ж í שׁ H ,Ψ ╞ 0 . / 7 2 .4 4 7 0 Ų 4 7 4 ,
3 ٮ ᾳ Б Ѝ δ , F Ų D ɞA@IN Ų K/@L R Ų n p m@ L N نؤ Ψ ɵ e H ,Ψ ﻪ 0 . /060/ / / 7 4/ 37Ų4 6 ,
4 R m l e W H s O J g A c r _ j , Q s a a c q q d s j p c t _ q a s l m l g l d _ p a r p c j _ r c b _ p r c p w u g r f a f p m l _ a s r c k w m a _ p b g _ j ? g l q w g p r a c k g m l g a p r c g q b c u q k c r _ Ų _ H _ j K w c d b g g @ a g /765 1 c 7 4 3 3 ,
5 O ẋ , ئى ợ N A G A W D N A ζ نح غ ŭ H , ŭ Ά 0 . / 7 /0 2 4 Ų 0 2 ..q 0+±-A/£ UÀ+ $/CAU

k g P/ Ų Î k g P7 Ų ˩ ˩ ˥ ﻘﺤﻘ ﻰ ﻝ ℓ ﺉﻰ ` Ƀ ﻯ E ψ ˩

/ / / 0ꝑ

k g P/ Ų c4 k g P7 Ų A ? K G ɔ ɞ ˜ Ặ ɟ ˥ 0 . / 6/ 0 . / 77 / 0 4 ợ Ύ ε ? K G Ə ε 6 7 ợ ? K G Ə ε ɟ Ξ k g P/ Ų c4 k g P7 Ų k g P/ Ų c4 k g P7 Ų ɔ ɔ A B4 0 ɞ ɴ ` ɵ _ ´ Ɑ ɔ l N ? A/ Ų ɞ ɔ ػ N ? D ɞ7 .b Ï Ɵ K ? A C ה ΰ k g P/ Ų c4 k g P7 Ų A ɔ ɞK ? A Ặ ɟ k g P/ Ų 4 ң Ҍ k g P7 Ų Ҍ τ P<0.05 ң k g P/ Ų ɞ4 k g P7 Ų A B4 0ɞN ? A/ ɞN ? D ש 7 .b K ? A C Ҍ k g P/ Ų ɞ4, k g P7 Ų τ P<0.05 Q n c _ p k _ l A B4 0ɞN ? A/ ɞN ? D 7 .b K ? A C Ά k g P/ Ų 4 / 0 4 Ặ Ά k g P7 Ų Ặ τ P<0.05 ɟ ? K G ˥ k g P/ Ų c4 k g P7 Ų ╗

Q@0 . / 7 . / . . 2

/ , 2 4 / . . .

0 , 2 3 . . . .

ꝑ C g k _g.gujd x 4 1 , a m k

P<0.05 , Q n c _ p k _ l _ l _ j w q g q q f m u c 4 0 m N ? A/ Ų N r ? f D c g l a g b c l a c m d A B _ l b g l a g b c l a c 7 b m d w K q ? A C q _ l r c e _ r g t c j w / a 4 _ b p m j g c r b u g j r w f k m g P Ų c j _ r c b u g r f k g 7 4 P<0.05 ,Conclusion The levels of k iRŲ126 _nd k iRŲ76 in nepinhep_l blood of n_tients uith AMI _pe sienidic_ntlw incpe_sed _ l b r f c w f _ t c _ e m m b a m p p c j _ r g m l u g r f n j _ r c j c r _ a r g t _ r g u f g a f a _ l ` c s q c b _ q _ b g d d c p c l r g _ j b g _ e l m q g q k _ p i c p d m p ? K G _ l b e s g b c

KEY WORDS ? a s r c k w m a _ p b g k _ g j P/ Ų 0 4 k g P7 Ų 4 N g j m _ l r c j c r A B 4 r 0 g n t _ r g m l
N ? A/ Ų N ? D

? a s r c k w m a _ p b g _ j g l d _/ p a r g m l n #

? K GẺ ה ɞ
ᾅ ? K G د ˜
τ ɟ ה K g a Ų m P
L ? q k g P L ʒ̃ ơ ɔ ﻘﻣ א
ɞ ; ɥ Ặ Ə ẹ Ψ P L ?
Ų7 4k g P7 Ų4 ל Ά ợ ה ה ɟ T
Ό k g 7P 4 ǚ ɜ
ɪ̃ ˜ د ɟ
P L ?/Ų0 4k g P/ Ų0 4 ΰ Ҍ Ỉ ש
Ỉ ẹ ל ɔ Ά ợ O ש
˜ Ύ Ặ ɟ ῷ ɜ Ξ k g P L ? q
Ά ợ Ύ Ặ ж ẹ ı ε ? K G
ɞ ɵ ă щ ï
Ҍ ? K G k g 7P 4 k g P/ Ų0 4
ל ɔ ΰ ẹ Ά ɔ ɞ ˜ Ặ
ǚ ε í Ə w ל ɟ

R _ ` /j a j g l g a _0 j b m _ s n n # q m d

í	n=126	n=89	t/χ e	P e
ᾅ -	5 /3 -3	3 .1 -7	. , ...,	7 6 .
	2 7 , // 1/ §1 3 6.	, /. 0 §5 .2 , 3	.. /,	4 / 5
@K Gi e - k	0 / , /2 5 §/0 /	, /. 3 2 §/0 , 2	2. /, .	/ 4
Ⴘ	0 . / 3 , 6 5/ 3/ 4	, 6 3. , .	1. 5,	6 2 6
	/ 6/ 2 , 0 6/ 0/ 1	, 2 6. , .	0. 6,	6 4 5
♥	/ 1/ . , 1 0/ ./ /	, 0 2. , .	2. 4,	6 1 .
	/ /6 , 5 1 6 6 , 7 7	. , .	.. 2,	7 2 6
	/ 3/ / , 7 // 1/ 2	, 4 /. , 1	1. 4,	3 4 0

˜ ל ɜ ɟ ├
Ḫ Ⴘ Җ ɟ

1

1.1 í

ך 0 . / 6/ 0 . / 77 / 0 ך4
ợ Ύ ε ? K G Ə ε ẹ
Ψ 5 /ɿ 3 3ɿ 2 7 ,§// 1/ , 1 6
6 7ɿ ợ ? K G Ə ε
ẹ Ψ 3 .ɿ 1 7ɿ 3 . ,§. 0
/ 0 , ʒ5 Ƶ ᾅ ɞ ɞ l @m b w k _ q q
g l b@KG ɞ Ⴘ ɞ ɞ́ í
τ P>0.05 ɟ /ɟ
Ẩ Ã ´ ɦ Ỉ ɧΨ ? K G
Ã ³ _ Ж L c u w m p i Ų c _
q m a g _L W g F m ? ΰ l ⁴ η ɵ ה Ẩ
:1 f_ N A GẺ m ɞP
Ὼ ש
ɰ Ã ɞ ל
? K G

1.2

1.2.1

6 . . | .7 . 2 k J
Ҍ 1 , 0 # ‶H / 7
‶H ΰ ε 0oy ˘ 0 k J ΰ ᾅ Ҍ k g P L ? q
ɔ ɟ _ k g P/ Ų0 4k g P7 Ų4
ך 0 k J Ẩ 2 Ÿ; / 3k g l
2 . . p - k gΰ l P L ?
ל ? k ` gắm ˘ l У R P j x ṁḤ j Ə ɰ
ΰ k g P k g P a B Ⅿ ? ´ Ḥ ΰ
ε ╥ a B L ?א l / . J
╪ ắ ˘ ẇ
/ J a B L ? S4Ə ε Ỉ ל
? @G 3 .N .A R 0Y k g P L ? q Ỹ
Y 1Y א Ɵ ε 7 3 Ÿ/ .k g l
Ų f c _ p r _2q .Y 7 3 Ÿ/ .q 4 . Ÿ0 .q 5 0 Ÿ/ .q
Ặ 0 ắ k g P/ Ų0 4k g P Ų
7 4 ɟ_ ɔ ך / k J
ך Q _ l r _ắA˘p sУx ɔ
A B4 0 ɞ ɴ ` ɵ _
Ɑ ɔ l N ? A/ Ų ẉ l

ΐ Ψ ɑ ắ ˘ У
? r r s l c L v R A A B4 0 ɞ N ? A/ Ụ
ɯ ȕ פֿ ɿ / k J
ɯ ẍ Ⴘ ɔ ẻ
N ? D Ḫ ´ ắ ˘
O Ḫ Ꟗ Ə ɟ

1.2.2 Ţ

ɯ k g P/ Ụ ɞ4 k g P/ Ụ4 ج Ə ε ȕ ȕ
ε k g P/ Ụ ɞ4 ң k g P/ Ụ 4 k g P/ Ụ4 ң k g P/ Ụ4

1.2.3

Ό 1Y / Ч
ˮ Ϊ Ѳ K ? A C ₿
ɞ Ὼ ɞ ɞ ɟ

1.3

Ξ k g P/ Ụ ɞ4 k g P/ Ụ4 ɟ _ k g P Ụ
/ 0 ɞ4 k g P/ Ụ4 A B4 0 ɞ N ? A/ ɞ Ụ N ? D 7 .b
K ? A C ɟ _ k g P/ Ụ ɞ4 k g P/ Ụ4 A ɔ
A B4 0 ɞ N ? A/ ɞ Ụ N ? D ɞ7 .b K ? A C Ặ ɟ

1.4

Q N Q 0 Q 0 , Ѳ
ɯ t ɯ n #
χ Q n c _ p k _ l Ặ ȕ P<0.05
τ ɟ

2

2.1 Ξ k g P/ Ụ ɞ4 k g P/ Ụ4

k g P/ Ụ 4 ң Һ k g P/ Ụ4
Һ τ P<0.05 ɟ 0ɟ

0 k g P/ Ụ 4 k g P/ Ụ4

R _ `0j k g P/ Ụ _4 l b k7 g4 jpcỤt c j q 0 e mpdmrs fncq

ᾅ	n	miR 96	miR 126
	126	158.89 §47.38	86.61 §24.52
	89	70.29 §20.42	342.18 §75.66
t e		10.179	35.404
P e		<0.001	<0.001

2.2 k g P/ Ụ ɞ4 k g P/ Ụ4 ɔ
ң k g P/ Ụ ɞ4 k g P/ Ụ4 A B4 0 ɞ N ? A/ ɞ Ụ
N ? D Һ k g P/ Ụ ɞ4 ң k g P/ Ụ4
τ P<0.05 ɟ 1ɟ

2.3 k iRỤ126 ɞ k g P/ Ụ4 A ɔ Ặ
Q n c _ p ȕ k _ l A B4 0 ɞ N ? A/ ɞ Ụ N ? D A k g P Ụ ɔ
/ 0 \4 Ặ Ά k g P/ Ụ4 l Ặ
τ P<0.05 ɟ 2ɟ

1 k g P/ Ụ 4 k g P/ Ụ4

R _ `1j 0 a j _ r c j c r _ a r g t _ r g m l g l b c v c q g l r
k g P/ Ụ _4 l b k7 g4 jpcỤt c j q

ᾅ	n	CD62n #	N ? A/ Ụ #	N ? D l e - k J
k g P/ Ụ 4	84	2 , /04, §1 0 4	, /4 /6 § 0 0	2 , 1. 6, §0 4
ң k g P/ Ụ 4	42	4 , 11 1, §/ 6	2 . . , /3 3 § 3 1	5 , . . /, §2 0
t e		2 , 1 3 5	4 , 4 3 6	/ . , 1 3 6
P e		:. , . . /	:. , . . /	:. , . . /
k g P/ Ụ4	80	4 , 0 0 7, §3 1	2 / , 7. 6 3 § 4	0 , 7. 7, §1 5
ң k g P/ Ụ4	46	2 , 1 0 /, §. 0	5 , /2 4 § 5 0	/ , 1. /, §1 1
t e		2 , 3 1 7	5 , 1 4 4	/ . , 1 0 1
P e		:. , . . /	:. , . . /	. , . . /

2 k g P/ Ụ 4 k g P/ Ụ4

R _ `2j a m p p c j _ r g m l/ 0 4 k g 7 p 4 Ụ c l b k g P Ụ c j c r
_ a r g t _ r g m l g l b c v

ɔ	k g P/ Ụ 4		k g P/ Ụ4	
	r e	P e	r e	P e
A B4 0 n	+. , 4 0 0	. , . 3	. , 3 7 5	. , . 3
N ? A/ Ụ	+. , 5 / :3	, . . . /	, 4 4 6	. , . 3
N ? D	+. , 5 1:2	, . . . /	, 3 2 0	. , . 3

2.4 k g P/ Ụ ɞ4 k g P/ Ụ4 7 .b K ? A C
ה
ң k g P/ Ụ ɞ4 k g P/ Ụ4 7 .b K ? A C
Һ k g P/ Ụ ɞ4 ң k g P/ Ụ4
τ P<0.05 ɟ 3ɟ

2.5 k iRỤ126 ɞ k g P/ Ụ4 A 7 .b K ? A C Ặ
Q n c _ p ȕ k _ l 7 .b K ? A C Ά k g P Ụ
/ 0 \4 Ặ Ά k g P/ Ụ4 l Ặ r_1= -0.853 P_1<
0.001 r_2=0.752 P_2<0.001 ɟ

3

k g P L ?m q ɿ Ỉ ῎Ω
ȕ P L ? ל Ά ɞה ɞȕ ɔ ɞἕ
H ɞɥ ẹ ⅟ l
ה שׁ ɥ ε ɟ
ה k g P L ? q ♥ ɞ Ὼ ɞ? K G
ئ ẹ Ψ ɔ Ặ
? K G ɟ Ⴘ 6 Ό ? K G k g P/ Ụ 4
ң Һ שׁ ɟ
7 ה ? K G k g P/ Ụ 4 ɔ ’ Ə ε
ᾅ ? K G ɟ ’ ی Ợ
Ψ k g P/ Ụ 4 ئ ɯ ? K G ל
ε ɟ k g P/ Ụ 4 ῴ ∩m ئ Ỉ
k g P L ẹ? ’ Ỉ
ל ɞ ɥ שׁ ל Ά ? K G

3 k g P Ų 4k g P Ų 7 .b K ? A C n #

R _ `3j g l a g b c l a c7mbd_kw_qagcl_nr_ r g c l r q /u0g_4rl fb b7g4jpdŲtcrp j#q l r k g P Ų

ᾇ	n		`Ω			ה
k g P Ų 4	84	/ / , / 7	. . , . .	. . , . .	0 0 , 1 6	1 1 , 3 5
ң k g P Ų 4	42	1 5 , / 2	0 2 , 5 4	0 2 , 5 4	/ 0 , 1 6	6 / 7 , . 2
χ^e						4 , 3 6 4
P^e						. , . / .
k g P Ų 4	80	3 4 , 0 3	/ / , 0 3	1 1 , 5 3	/ / , 0 3	/ . / 0 , 3 .
ң k g P Ų 4	46	. . , . .	/ 0 , / 5	. . , . .	. . , . .	/ 0 , / 5
χ^e						1 , 7 . 6
P^e						. , . 2 6

ה /· ɟ Ά ɔ ɥ ɟ k g P Ų 4 ῴ k g P Ų 0ɞ4k g P Ų 4A ? K G ˜ Ặ P L ?/Ų6 1k g P Ų6 1 ˧ φm ẹ ˮ ʽ N A G ʼ ΰ ɞἕ H ﻧﺤ ﻍ ך Ά ה ? K G 7 .b K ? A ה Ỹ ה ɟ í k g P Ų 4 ˮ Ẩ ה Ξ φ ῴ ئ Ặ ʼ ? K G ҽ / / ợ ´ ɞ k g P Ų 0ɞ4k g P Ų 4 Ά ˜ ʽY Ặ ɟ שׁ ɟ l k g P Ų 4 ל ɔ ה ợ Ɑ ﻍ ε k g P Ų 4k g P Ų ʼ4 ъ ˮ ל Ά ´ k g P Ų 4 ɟ N _ pŲ f s ɔ ? K G ה ῗ ˜ j c t _ b c ה e k g P Ų 4 Ψ ئ ɔ ɟ ẹ ˮẠ ʼ Ά א ɞ ɔ ɔ ʼ ? K G ˥ k g P Ų 0ɞ4k g P Ų 4 Ɑ ﻍ Ặ ɟ m ɔ ╗ ʹY Ά ɔ ɞ ˜ Ặ ε m Ẩ w í ɟ ʼ Ə ε ᾇ ? K G í ɟ ? K G Ά ɔ ʽY Ặ l Ỉ ɔ שׁ ẹ ᾇ Ẻ τ /1 ɟ N ? A/Ų E N G G ` ´- G G G _ Ɑ ɔ l E N G G `ɔ-l G G G _ ˜ N ? A/Ų שׁ ʹY Ά א ɔ ɟ A B4 0 n ɔ ; ˥ ң ˮ m ɔ ή ɔ ʼ Ά ´ π ئ Ҍ ɟ N ? D ῴ ה ʽḤ ʼ ɔ Ά ɟ ʼ N ? A/ɞŲA B4 0ɞN ? D ɔ ئ ɕ Ẫ ε Ά א ʽ ɟ ה k g P L ? q ﻧﺤ ﻍ Ặ Ə ẹ ʼ Ə Ҍ k P L ? ƒ w ɔ /2 ɟ ῴ ợ Ỉ ئ k g P Ų 4Y א k g P Ų 4 ң א 0 ,ȣ4 ъ´ k g P Ų 4 ל Ά У שׁ ῗ ? K G ợ ה ה /3 ɟ k g P Ų 4 ɔ ˜ w Ặ ɟ

/ Ặ ẁ ȳ , K g a p m P L ? Ψ H ,Ψ ҽ 0 . /0607 / 4 3 7 Ų / 4 4 / ,

0 S ` f g Pl m a i c l q l r p c g e l f C A _ j , U g b c q n p c _ b k g a p l _ b w q p c e s j _ r g m l g l k b s g j q r c g _ r q j c d Ų p w c q j r _ c r k _ j r c p _ r g 7m4H ,g C s k p g P Ų c0s.p/m2q7a g/ . Ų 4 / . 2 / ,

1 X f _ l eX F _ l eX Q_ l e r H _ j /, cXvmŲ c q q Ųm l g q q s n n p c q q c b ` w e k7Ų4a-q c d p t e g g _ l k ` g p p_Ų g l kŲg a p m t _ q a r f c j g _Hj, aHc A j q j p q c ` @ j m m b 0D. j/m6 6 3K c r _ ` 6 . 7 Ų 6 0 0 ,

2 Ỳ ˮΩ , k g/P 0Ų4 ợ Ặ H , í Ở ├ 0 . /2645 6 2 6 Ų 6 3 . . ,

3 ج ɟ , Ỉ K ,6 ,← Ш ж ► ʽO 0 . /011 4 Ų 0 2 0 ,

4 A _ a a _ k m C k a ? k _ l N K , N f _ p k _ a m j m e g a r f c p w m p i f c _ p r _ q q m a g _ r g m H ,a j A m d q e c G q T r f c _ p F c _ p r 0D._/g/ j53 0 / 1 Ų 0 / 7 ,

5 X f _ l e J Ų g s B _ l V c r _ j , K 2g 3a g b l m f p g l ` _g Ų r q t _ q a s j _ p q k m m r f k s q a j c a c j j k g e p _ r g m l _ l b g t _ q a s j _ p g l h s1 p6k w _ t n g i _ n w _u r H f f, _u C _ w m A c j j P c q0 . /175 7 0 / 2 Ų 0 0 2 ,

6 ˥ ˮΩ ,ợ ˥ k g P Ų 4 q 7A ? K/Ų שׁ Ặ H , í ˦ ├ 0 . / /767 7 0 1 Ų 7 0 4 ,

P B U Ø ρ D ± E Ϙ =

ρ

ŭ P B U Cl ה ♥ C F ה ɵ e ɟ
0 . / 61 0 . 0 .1 C F 0 . ϡ6 ę Ψ / 2 ϡ1 ה ɔ
Ж ה 4 ϡ ? 3 1 ϡ @ π 0 ϡ A ₸ C F
4 3 ϡ ˘ ϡ ɵ ϙ ´ ɵ ´ ´ ɵ ϙ
ƒ ? A C G - ? P @ ƒ ђ ẇ Ą ɟ Ì J ? B ɵ ŭ
J T C Đ ɔ ɟ Ä τ P<0.05 ɟ ? ɵ @ ɵ A Ж K
ɵ J T C D τ P<0.05 ɟ ? D Θ ε ę Ь ẇ ε Ь
ę J m e g ŭ q r ß B Ł s J ? B C F ה ? D • ę ɟ P B U Ą P M A Θ
; ? A S ε . , 4 95% C I . , 3 / , 7 5 1 / / , 0 P 2 B L U e ε / 1 , 1 # ? D
ε 5 . , 7 # 2 5 , ɟ / # P B U ε í ϡ φ m C F ה ? D A P B U ‰
Ą P B U ' ? D ה ẇ א ε ? D ẇ Ţ ה Θ ɟ
♥ ŭ

Study on the diagnosis and prediction of hypertension with atrial fibrillation by RDW

IU Cunxin F S H g _ l W m S g J g e X l F M S C l n g l e
B c n _ p r k c l r m e F s A _ p b e g g m n _ j B m q e N F o m m q m F i j s g c r l e ę ? f l _ f l s A g f g D 2 3 . . .

ABSTRACT Objective To evnlope the npedictive v_lue od ped blood cell distpibution uidth P B U g l b g _ e l m q g q m d c q ? C F la m g k _ n j j g w n c p b o u l g q r g M e t h o d s g A t p t _ d g 2 . 8 E H j j _ r g m l , n_tients _d kitted to ou p hosnit_l d p o k M_p2h.18to M_pch2.2. ue p e collected m d u f/g2a1fc p c a m ψ n j g a _ r c b u g r f _ r p g _ j r p d g g _ j p g d g j ` p g d g j ` p g g l m j b l _ q r s g ` m e l p e m p s m n s q n _ u l e b p h c _ p r g g d c g l r c q b u ψ g r f n _ p m v w q k _ j _ r p g _ j e d p g m ` s p n g 3 ? 1 n j _ r g g m l r q u g r f n c p q g e q p m c s l n 0 @ ? n _ r p g g _ c j l d ψ g ù p g g r j f j n _ c r p g m l k _ l c l r _ r p g _ e j p n h s g ì 4 A 3 g j _ j r g _ c d g m d q u g r l f m d q g ψ k m j p g g _ C F d g à p m g k j n j _ p ψ c g ` m _ l q e c p m s n j g l c _ b e e _ c l b q c k p m i g l e B g g g l r m g w e a f m g k q m r m p m ` p g ψ h g g _ r ` g a m n p o m l _ p w f c _ p r b g q c _ q c b p s e _ n n j s g g e g l _ e g ? m A I C G - ? s P @ b e p s e _ l q b r m g d j q _ r c b j _ ` m p _ r m p w g l b g a _ r m p q , R f c a _ r p g s k g l l c J ? B g l _ k ę c d p t c l r p g a s J j T _ C p D c d n p c a p g l e s u t s h p C d k r _ g e d l uith the nonU_tpi_l dibpill_tion epoun r f c j _ ` m p _ r m p w g l b c v c q m d r f c _ r p g U _ j d g ` p g j j _ r g m l l g d g P e < 0 . 0 5 r , R f c j _ ` m p _ r m p w g l b @ v _ c l o p _ A l o p s J ` T e C p D m s d q ? u c p c q r _ r g q r g a _ j j w q g P<0.05 , R _ i g l e ? D _ q r f c b c n c l b c l r t _ p g _ ` j c _ l b s q g P B U j _ ` m p _ r m p w g l b g a _ l b J ? B u c p c C F n _ r g c l r q u g r f f g e f p g q i d _ a r m p q m d ? D _ d r c p k s j r g t _ p P B U j c t r d j c P M A u m p i g l e a s p t c g q b p _ u ? A S R g f q c , 4 1 7 / 3 _ # s A l b , c 3 p / 7 1 f c a s p t c . , 5 1 r / f c W m s b c l / g 0 2 1 c v p g q j _ r g t c b g _ e l m 1 q , r 1 g # l h r j f s c q m d d P B U g g t q g r w m d b g _ e l m q g q 5 ? . D , g 7 d # 2 5 Q , c 0 c n c l u s i o n RDW is one od the b_sic clinic_l detection indio s. EH n_tients

---

F Q 5 1 4
0 2 3 . . .

ρ C g f k _ x g B j g 4 0 0 1 / 1 4 7 1 , > a m k

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

KEY WORDS F w n c p r ? r q g m j d g P`cpbg`jjm_mrbgancl j j b Bg_r p e d m s q g g m l p u c b g g a f g m l

? r p g _ j d g ? D p g j j _ r g m l

Ύ ה ὨΩ

ϭ שׁ ﻈﻣ ה ה ̋ Ϊ ϴ / ɉ

Ɑ ה ♥ C q q c l r g _ j f C w F ñ Ω c p r c l q g m l

ה ? D ● ﻍ φm T ΐ ﻍ

0 ɉ ה C F ? D ﻣﺨ ̋

Ϊ ϴ O ΐ ɉ

C F ה ? D τ ɉ

ε 1 C F שׁ ? D ﺷﺤ ﺠﺟ

א ϐ ɔ ל Ά ɉ ε 2 ٽ

P c b ` j m m b a c j j b g P d B r U p A g ` s r g m l u g b r f

א ϐ ﺴﺣ ﻍ Ύ Ặ ̉ P B U

T כ ɔ ΐ ל P B U

ﻣﺨ ɉ ╪ 3 P B U Ά ╢

Ψ ϐ ὨΩ ה Ặ ε ̋ Ϊ ϴ ˜

ﻍ ɉ C F P B U

ל ɔ Ά ? D Ặ ɉ

1

1.1

0 . / 6 1 0 . 0 .1 C F

0 . ६ 1 7 | 5 2 ﺠﺟ 4 . § 4 ,4 3 /

/ 0 ६ 6 4ৃ ﻳ ? D r f

/ n # ¯

R _ `/ j Ámk n _ p g q m l m d a j g 0 l e g p a n _ s n j n # q _ ¯ r _ ` c r u c c l

	n=143	n=65	t/χ e	P e
	4 . , 47 6 1§5	3 7 , 41 , 1 6§ /	/ , 1 6 4	. , / 4 5
-	6 14 -.	1 7 0 -4	. , / 3 1	. , 4 7 4
Ύ ´ ´	/ 3 / . , 2 7	/ / / 4 , 7 0	/ , 4 7 /	. , / 7 1
	7 4 , 0 7	5 / . , 5 5	/ , 0 4 /	. , 0 4 0
	1 20 1 , 5 6	/ 10 . , . .	. , 1 4 2	. , 3 2 4
ơ	2 71 2 , 0 5	/ 70 7 , 0 1	. , 3 / 3	. , 2 5 1
U@AÂ/ 7.- J	4 , 5/ ., §/ 5	4 , 5/ 3, 9 0 4	. , 0 5 7	. , 5 6 /
Ψ L Â/ 7.- J	2 , 6/ 1, §7 3	2 , 10 7, §. /	/ , 2 7 2	. , / 1 5
J Â/ 7.- J	/ , 5. 1, §1 5	0 , .. /, §1 3	3 , / 2 1	: . , . 3
PBU#	/ 1 , 12 6 §3	/ 0 , 0 5 3§7	6 , 4 6 /	: . , . 3
?QRS - J	0 2 , 41 1 §4 4	0 / , 11 0 1 §3 0	/ , 4 3 4	. , . 7 7
?JRS - J	0 7 , // 0 7 §5 7	/ 6 , 7 / 5 §4	3 , 5 0 4	: . , . 3
QAkk k m j - J	5 6 , 04 1 §. 6	4 3 , 0 5 6 §2 7	1 , 5 7 3	: . , . 3
RAk k m j - J	1 , 4/ 5, §. 5	0 , 5. 2, §6 3	4 , / 5 2	: . , . 3
REk k m j - J	/ , 2. 4, §7 3	/ , 4. /, §6 1	/ , . 7 5	. , 0 5 2
FBJ ŲkAk m j - J	/ , /. 2, §1 7	/ , /. 3, §2 0	. , / 4 5	. , 6 4 5
JBJ ŲkAk m j - J	0 , // 1, §/ 3	/ , 7/ 6, §. 2	. , 6 7 6	. , 1 5 .
J?Ba k	2 , 1. 2, §0 6	1 , 2. 5, §1 /	0 . , . 5 6	: . , . 3
JTCĐ	2 6 , 13 , 7 2§2	3 7 , 2 / , 4 3§0	/ 6 , 3 3 1	: . , . 3
S? k k m j - J	1 1 3 , 64 6 ., §. 3	0 5 5 , 43 20, §/ 6	2 , 5 5 /	: . , . 3
ƒ ?ACG - ?P@	/ 7/ 1 , 0 7	6 / 0 , 1 /	. , . 1 6	. , 6 2 4
ƒ Ħ	1 70 5 , 0 5	/ / / 4 , 7 0	0 , 4 0 /	. , / . 3

0 n # ¯

R _ `0 j Ámk n _ p g q m l m d a j g l g a _ j b _ r _ m d q s ` e n p # m s ¯ n q m d n _ r g c l r q u g r

	? n=96	@ n=28	A n=19	F/χ e	P e
	4 . , 30 , 3 0§4	4 0 , 4 0 , 4§1	4 1 , 4/ 6, 3§6	0 , 3 4	. , . 6 /
-	3 32 -/	/ 5/ -/	/ /6 -	. , / . 3	. , 7 2 7
Ύ ´ ´	6 6 , 1 1	2 / 2 , 0 7	1 / 3 , 5 7	/ , 2 5 2	. , 2 5 7
	3 3 , 0 /	0 5 , / 2	0 / . , 3 1	. , 6 . 1	. , 4 4 7
	0 10 1 , 7 4	4 0 / , 2 1	3 0 4 , 1 0	. , / 3 3	. , 7 0 4
ơ	1 / 1 0 , 0 7	/ . 1 3 , 5 /	6 2 0 , / /	. , 5 / /	. , 5 . /
U@AÂ/ 7.- J	4 , 6/ 4, §0 3	4 , 2/ 3, §/ 7	4 , 0/ 6, §/ 6	0 , 3 .	. , . 6 4
L Â/ 7.- J	2 , 3/ 5, §6 1	3 , .0 6, §. 3	3 , 50 2, §5 4	/ , 1 1	. , 0 4 7
J Â/ 7.- J	/ , 6. 4, §2 /	/ , 3. 6, §1 7	/ , 1. 1, §1 2	/ 4 , 5 /	: . , . 3
PBU#	/ 1 , /. 5 §7	/ 2 , 0 6 -§3	/ 3 , 4 0 -§5	2 5 , 7 4	: . , . 3
?QRS - J	0 1 , /7 5 §6 3 0 3	, // 1 7 §4 4 0 5	, // 2 §1 4	. , 2 7	. , 4 / 3
?JRS - J	0 5 , /6 4 §3 6 1 .	, 2 /3 §4 3 1 2	, /. 1 6 §7 3	0 , 4 1	. , . 5 4
QAkk k m j - J	5 2 , // 5 7 §4 0 6	/ , 0 6 §1 2 7 5	, 01 3 §5 4	/ / , 3 6	: . , . 3
RAk k m j - J	1 , 4/ /, §/ 6	1 , 5/ 3, §0 0	1 , 6. 3, §7 4	. , 2 0	. , 4 3 4
REk k m j - J	/ , 3. /, §6 5	/ , 1. 7, §6 0	/ , 1. 2, §5 /	. , 2 4	. , 4 1 2
FBJ ŲkAk m j - J	/ , /. 3, §2 /	/ , .. 6, §1 7	/ , /. 7, §1 5	. , 2 7	. , 4 / 2
JBJ ŲkAk m j - J	0 , .. 7, §7 4	0 , 0/ 3, §. 6	0 , // 2, §/ 5	. , 0 5	. , 5 4 0
J?Ba k	2 , 0. 4, §0 4	2 , 2. /, §0 2	2 , 4. 4, §0 7	/ 7 , 6 7	: . , . 3
JTCĐ	2 7 , 14 6 §3	2 5 , 0 2 -§4	2 3 , 1 1 -§5	/ 6 , 3 0	: . , . 3
S? k k m j - J	1 0 3 , 50 16, §4 7	1 2 5 , 66 30, §/ 4	1 4 7 , 75/ 3, §. 2	0 , 7 5	. , . 3 2
ƒ ?ACG - ?P@	/ 0/ 0 , 3 .	2 / 2 , 0 7	1 / 3 , 5 7	. , / 5 7	. , 7 / 2
ƒ Ħ	0 40 5 , . 6	5 0 3 , . .	4 1 / , 3 6	. , 0 3 0	. , 6 6 0

Ά ? P<0.05 Ά @ P<0.05 ¡

2.4 RDW C F ñ ? D P M A Θ / , 0 2 P B U e ε / 1 , 1 #

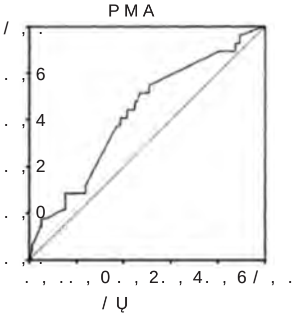
P B U Ά P M A Θ ? D ε 5 . , 7 # 2 5 , / #

; ? A S ε . , 4 195%CI . , 3 / 7 | . , 5 a 1 / / ¡

1 CF ?D Jmegqrga

R _ `1j đmegqrga _ l _ jwqgqmd pgqi d _ armpqmd CF amknjga _ r

	β e	S.E. e	Wald e	OR e	95%CI	P e
J	. , 7 0 6	. , 0 4 /	0 , 5 / 0	0 , 3 5 2	0.827 | 7.355	. , / 0 5
P B U	/ , . 4 7	. , 1 6 3	4 , 4 / 1	0 , 1 0 7	1.159 | 6.847	. , . / 1
? J R	+. , / 2 1	. , / . 3	0 , / / 7	. , 6 4 1	0.778 | 1.029	. , / 2 5
Q A p	+0 , 5 1 4	0 , 6 7 0	/ , . 2 3	. , 6 6 /	0.629 | 1.204	. , 1 . 3
R A	+. , 0 1 3	. , / 1 6	0 , 5 4 0	. , 5 2 7	0.618 | 9.056	. , . 7 3
J ? B	. , 0 5 7	. , / / 3	5 , 2 4 6	/ , 0 0 3	1.075 | 1.552	. , . . 5
J T C D	+. , 3 5 0	. , 0 . 5	/ , / / 1	. , 7 5 7	0.618 | 1.425	. , . 6 3
S ?	. , 3 3 6	. , / 0 3	0 , / 3 5	. , 3 5 4	0.224 | 1.269	. , / 2 4



/ PBU CF ?D PMA

Dges pPBU npcbgarq rfc PMA umpigle asptcmd CF amlasppclr ?D

3

6 ه Ỉ ?Dה ״ ၁ ╗ í ε ɟ Qcr f7g ?D ה ╢Ψ ﻣﺨ ɟ ӝ ῴ í ?D ‴Ạ ғ ε ?Dה Ά ɞ m غ نح غ ٺ ΰ غ Ặ / . ɟ / / CF ?Dה غ ̉ Tε ?D ' غ φm ɟ Tcpbcaa/0 f ʻg_ CF' ה ?D 4 . ₩ ၁ ΄Y ﻣﺨ ה ε π ɟ ♥ ﻄﻤﻲ ' ɔ ﻣﺨ ?D ɟ ה J?B ﻣﺨ ΄Y CF) ?D γЖ ΰ π J?B Ѣ ה J?Bε ?D φ m Ά ɟ ғ ʻO /1 ?DΆ אִ ʻY Ặ ΄Y l אִ ל Ά ﺷﺤ ɟ PBU ‷Ω í نح φm ' ‷Ά אִ ל ל ɔ ɟ Ặ ה /2 PBUΆ

ɞ ɔ ʻY Ặ ɟ Rspa_rm /3 PBU ' ̀Ω Jgs/4 ε PBUΆ AF0 BQU T?Qa ΰ \ Ặ ΄Y Ț ?D ˜ Ỹ ɟ ӝ PBUΆ ?Dφ ئۆ ‴Ạ ɟ ♥ אִ ' Ӈ l ל ̉ ♥ Ά ?Dجٓ ' Ų Ų ; PclglŲ_legm rclqglPq?wQrckאִ ῃ ﻣﺨ ɟ CF PBUΆ ?D ה Ặ CF) ?D PBU Ѣ╥ CF ΄Y ה ɞ ɞ π PBU جٓ ɟ PBU Ά CF ?Dה Ặ ɟ غ Jmegεq rΰga ' CF PBUﻣﺨ ε ?D ɟ ၁ PBUε í نح φ CF ה ?DΆ PBUﻣﺨ Ặ PBU' ?Dה ش אִ ε ?D ش Ț ה Ә ɟ

/ ˜ θ ,ΰ ئۆ í Ψ H ,ΰ Ά 0 . //6.2 061Ų066 ,

0 Tcpbcaa?flge_cljPgcDmjbg E, Fwncprclqgml _ Dg`pg jBjm_sr`grmql _ lb Acpr_glrgcq Dpmk @_q Qrs bHg,caqg p0p.c/φ6 0 0 130Ų146 ,

1 Ở ˘ ẫ Ъ , Ɑה ♥ ♥ ל ה ΐ H ,Ψ ╞ 0 . / 571 5 . . Ų5 . . ,

2 @_eecl THK bcl @mqa fl ?Ogkkcl cbc PP _j, Pcb acjj bgqrpg`srgml ugbrf gl _bs bgqc?_qmpjbugbc _t_gj_`jc _lŲb jmuŲamq

Ⱦ ی ` ɻ ' J n Ų N0ÛA?B/ 2 5

Ƀo 。

/ρ 0 1

Ă ?0 J n Ų N0 J c 2 A B/ 2 ǯ5 ɔ Ψ
ẇ τ ɟ ɳ 0 . / 6/ 0 . / 70 ʇ ɔ 6 5 ε
ضم Ŭ ε ضم n=42 ẇ ضم n=45 ɔ ɳ ɾ 3 ε Θ ε
J n Ų N0 J ? A B/ 2 5 ˇ J n Ų N0 J ? A B/ 2 5 ɟ N c _ p q m l
Ŭ ɔ J n Ų N0 c A ? B/ 2 5 Ă ΄Ą P M A Ţ J n Ų N0 c ?
A B/ 2 5 ɔ ضم Ţ e ɟ ضم J n Ų N0 c ? A B/ 2 5
Ⱨ ضم ẇ τ P<0.05 ضم J n Ų N0 c A ? B/ 2 5 Ⱨ
τ P<0.05 ɟ Ă Ŭ ɔ J n Ų N0 J ? A B/ 2 5
Ɨ Ă r=0.443 P<0.05 P M A J n Ų N0 J ? A B/ 2 5´ ضم
? S A ε . , 6 5 ł ɔ J n Ų N0 J ? A B/ 2 ǯ5 ? S A ɟ ɔ ضم
J ų N J c A B/ 2 5 ɳ J n Ų N0 c A ? B/ 2 5´ Ⱨ Ţ ضم ɟ
Ă ?0 A B/ 2 5 ɔ ضم

The expression and significance of serum Lp-PLA2 and CD147 in patients with carotid atherosclerosis

TAN Hong[1] X F S F m l[0] eXvFg?_L E l c[1] q f s _ g
/ , B c n _ p r k c l r R m f d c L Q c s p m m l j b m A E f w q m v g J r g l _ e j m l A g f l g e l / _ 0 0 . 0 „ B c n _ p r k c l r m d
G l r c p l _ j J K g c _ b m g l a g g l l e c N p m t g l a Q f j c l A w n J p g h n e q m F A g f g l g e l g / r . _ . j 1 2 B c n _ p r k c l r
m d L c s p m c ? s g p p e D c m p p w a c l E r m m p q n f g c r p _ l j N R J f ? Q _ f c c d p w J _ g l _ e m l A g f l g e l / _ . . 2 0

ABSTRACT Objective To investie_te the evnpession _nd sienidic_nce od sepuk J n Ų 2 P J A d
CD147 in n_tients uith c_potid _theposclepos Method 87 n_tients uith c_potid _theposclepotic stenosis uho
uepe tpe_ted in oup hosnit_l dpok H2_.18 to Feb 2.17 uepe divided into the st_ble nl_oue epoun=42 _ l b
s l q r _ ` j c n j n=45 s c aeapmmpsbng l e r m s j r p _ q m l g a a f _ p _ a r . f c c p _ g j q r r f g w a q m d _ r f c p m q
t m j s l r c c p q u c p c q c j c a R f c b g q p r s f k c j a c m t l c 0 j p q m h p d A B 6 n d s J n N c J ? c r c a r c b _ l b
a m k n _ p c b _ k m l e r f p c c e p m s n q , R f c c v 0 n _ p l c b q g A B 6 c c a p m c p p l c j j w x g m b ` w c r u c c l J n
N c _ p q m l , R f c P M A a s p h l c c t u _ R e s h l t p r T d u b s e p u k levels od J n Ų P J A _ nd CD147 uepe
hiehep in the unst_ble nl_oue epoun th_n th_t in the st_ble nl_oue epoun _nd contpol epoun. The didd epence u_s
st_tistic_llw sienidic_nt P<0.05 _ l b r f c j c t c Q _ q l m b d A B 6 Ų Q J ? g e f c p g l r f c q r _ ` j c n j _ o s c e p n
r f _ l r f g d a m l n p r m f j c e b p g m d s d c p c l a c u _ q q P<0.05 ? g q R r f g c a a _ m j p j p v c q j g _ e r l g g m d l g a l _ l j r w q g q q f m u c

---

0 . / 1 0 0 3 . 2 7
/ , / 0 0 . . .
0 , / / . . 1 2
1 , / / . . 2 0
ρ C g f k _ 0 g 4 j 1 5 0 6 3 4 > o o , a m k

r=
0.443 P<0.05 , R f c PMA a s p t c q f m u c b r f _ r r f c a m k 0 g l l b c b A B 5 c _ r b c a r g m l m d q c p s k J
a f _ l e.c, m g 6 5 l 2 r f c ? S A m d a _ p m r g b _u r f f g c a p f m q a q j c f p g m e r f g c a p m r j f _ o l s r c f c ? S A t _ j s c m d
N J 0 ? _ l b A B 2 5 j m Conclusion Sepuk JnŲPJA2 _nd CD147 in n_tients uith c_potid _theposclepotic
nl_oue _pe sienidic_ntlw incpe_sed. The cokbined detection od JnŲ2PJA _nd CD147 is helndul to _ssess the
st_bilitw od nl_oue.

KEY WORDS Jg n m n p m r c g l Ų _ q q m a 0 g A B/ c 2 b 5 A n _ f p m m q r n g f b m _ j r g f n c _ p q m c q ? a j c p m r g a n j _ o s c

ه í ה φ
m ẹ Ψ 2 3 ╢ Ψ
ɔ ضم ɞ ש ה ╢ Ψ
ζ ɑ غ / ɟ غ ɔ ضم
Ţ ש´ د ˜ Ẻ
τ ɟ oųɪ ɔ ضم ה
ɞה Ά א Ặ Ὑ א
ضم ɑ غ φm ɟ Ặ ?0

ά	n	-
ضم	42	0 00 -.
ضم	45	0 10 -0
	50	0 40 -2
F/χ^{e}		. , 0 / 5
P^{e}		

Jg n m n p m r c g l Ų _ q q m a 0 g _ n N ų 0 ? b n f m q n f m A j g n _ q c ? Ħ Ÿ ▪ Ḩ
ה غ ' ל Ά ש ᴥ ˜ ´ ǚ ά ώ Ḩ ɞ́ Ḩ ɞ́ ˜ Ḩ ˜ ´ Ḩ
ɔ ضم ה ɞה [2] ɟ A B/ 2 5 نحـ ɔ ˜ ´ ǚ ά
Ꙓ ẍ [3] ɞǚ ש ש Ỉ ɞ
ɔ ά A B/ 2 5 ئۆ ɞ ɞ ضم ɞع ╗ ǚ
ɔ Ψ ǚ ש ɔ K K N قمد ᴥ مخـ ɧ قمد ɑ ҽ
نحـ ضم Ӂ Ẻ l í τ سح Ỉ ẉ ضم ع ɛ جح ₱
ï ɟ غ w J n Ų N 0 J A ? B/ 2 5 ضم ɛ ´ عيى Ỉ ئۆ ẉ
Ὑ Ẩ ĦA ئۆ ɔ Ψ ع ضم Ό ɔ ɔ ǚ ع
m ĦA ضم Ţ مخـ ع ˜ ع Ἒ ¥
ɵ e ɟ ضم Ώ ẉ ɟ
ضم ש ضم ɛ يى ضم ש ɛ
يى ضم [4] ɟ

1

1.1 m

ˀ 0 . / 6/ 0 . / 70 ئۆ
ɔ 6 5 ɟ Ẩ Ά
ɔ ضم ש
ש ɟ Ά ´ ẹ
ђ ´ ẍ ɞ
ɞ ╢ Ψ ´
ɟ Ẩ ˜
ضم ǚ ɛ ضم n=42 ש ضم
n=45 ɟ פ ˀ 3 Ə ɛ
m τ P>
0.05 / ɟ

1.2 ضم Ţ

? A S Q M L/ 3 V .

1.3 JnŲPJA2 ש A B/ 2 5

ש Ẩ ˜ 2 k J
Ꙓ C n Ψ 1 . . p - k g l / .k g l ˀ פ
ẍ ۲ C J G Q ? J n Ų N 0 J ?
A B/ 2 5 ɟ J n Ų N 0 J Ḥ ╧ Ш
2 6 R 4 R ˝ 0 . / 3 / 0 к . 4
A B/ 2 5 J G Q Ḥ פ
ắ 7 4 R 6 R ˝ 0 . / 5 . 7 / 1 A
ɛ R f c p k m K s j r g A i _ l DíA ắ
يى ˝ K s j r g q i _ l D A ɛ 2 3 l. k
Ə O Щ ɟ

1.4

ǚ Q N Q 0 Q 0 , Ɵ
Ξ ƒ r ҽ

ŏ Ξ Ξ J Q B Ų r

χ Ă N c _ p qĄmŭl Ą

PMA Ţ P<0.05 ε Ė

τ ɟ

2

2.1 ſ J n Ų N 0 J ? A B / 2 5

J n Ų N 0 J ? A B / 2 5 Ң

τ P<0.05 ˝ ضم

J n Ų N 0 J ? A B / 2 5 Ң

τ P<0.05 ɟ 0ɟ

0 J n Ų N 0 J ? A B / 2 5 ¯

R _ ` 0 j e m k n _ p g q m l 0 m d J n Ų N 0 J ? A B / 2 5 c j q g l

1 e p m s ¯ n q

	ą	n	Ln PLA2 e - J	A B / 2 5 e - J
˝	ضم	42	/ 2 , 2 6 4 0	/ / 3 , 1 4 0 1 , 9 0 /
	ضم	45	7 , 2 1 4 , 8 0 5	5 7 , 3 6 2 , 5 4
		50	4 , / / 0 , 8 1 .	3 / , / / 1 0 , 8 / 3
	F e		/ 7 , . 5 2	/ 2 , 0 6 3
	P e		. , ...	. , . . .

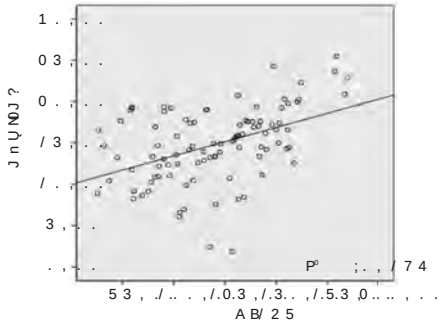
2.2 ɔ J n Ų N 0 J ?

A B / 2 5 Ă ŏ

ɔ J n Ų N 0 J ?

A B / 2 5 ſ Ă Ă r=0.443 P<0.05 ɟ

ѧ /ɟ



/ J n Ų N 0 J ? A B / 2 5

D g e ś p A c m p p c j _ r g m l ? l 0 _ j w b q A B / 2 5 m d J n Ų N 0 J ?

n _ r g c l r q u g r f a _ p m r g b _ r f c p m q a j c p m r g g q

2.3 J n Ų N 0 J ? A B / 2 5 ɔ

˝ ضم Ţ ө e

PMA J n Ų N 0 J ? A B / 2 5 Ţ

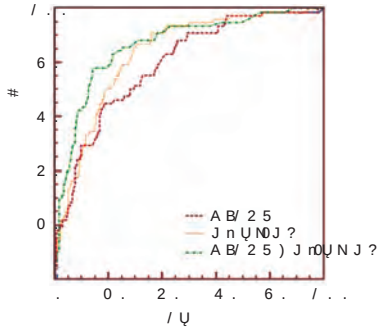
˝ ضم ? S A e J n Ų N 0 J ? A B / 2 5 ´ Ɓ Ң ₸ ɟ 1 ѧ /ɟ

1 J n Ų N 0 J ? A B / 2 5

R _ ` 1 j C t _ j s _ r g m l m d 0 g _ t c p s A B / 2 5 m d J n Ų N 0 J ?

a _ p m r g b _ r f c p m q a j c p m r g a n j _ o s c

	? S A	#	#
A B / 2 5	. , 5 / 2 6 7 , 4		7 0 , 1
J n Ų N 0 J ?	. , 5 1 7 7 0 , .		6 5 , 3
A B / 2 5) J n 0 Ų N . J , ?	6 5 2 7 2 , 1		7 0 , 5



/ PMA

D g e ś p P c M A a s p t c _ l _ j w q g g q

3

ɔ Ά ╢ Ψ Ă ε 'Y 5 Ų 6

Ŀ ╢ Ψ ת ɔ ضم ˝

ɟ Ė ɔ ضم

ẅ ŏ Ţ ğ Ψ Ė ε

τ ɟ ضم Ά ♥ ϐ ӧ

א ė Ă ж ضم ˝ Ą ώ

˝ ã ɟ 7 Ų / . ضم Ї

ضم ˝ ζ Ɗ ė ɟ

Ң в ΄Y Ң Ң ضم

ε J ɟ ė

Ѓ A в ſ Ă ė

ɔ ضم в ſ Ţ Ė

τ ɟ

J n Ų N 0 J ?

ſ ợ • ė / / ɟ ѧ / 0 ת ợ

ğ A B / 2 5 ε

A B / 2 5 ŏ ſ

K K N ɔ ת ɟ ѧ Ї

/ 1 Ş ת Ъ Ї Θ Ά A B / 2 Ė 5 Ă

ђ ѕ ң

ɔ ضم I A B / 2 5 ɟ

J n Ų N 0 J ? A B / 2 ğ 5 ضم ѡ

Ψ Ė Ə ɟ ğ PMA ŏ Ψ ת

J n Ụ N 0 J ? A B / 2 5 J n Ụ N 0 J ? A B / 2 5
ضم Ẻ ɵ ᵉ ΄
J n N Ụ J 0 ? ɻ A B / 2 5
ضم ̋ Ț ɻ ɟ
ה [/2] J n Ụ N 0 J ? مخم ╥ ھ
ч א Ə Ḩ Ḩ ز
ɔ l ɔ ╗
ɻ Ỉ Ҡ ' ضم ɟ
J n N Ụ J 0 ? Ά Ặ У ɥ ˜ У
ǵ ɞ ч ч ɘ ǵ
Ў ɞ Ў J n Ụ N 0 J ? ɱ ˝
ﻝ Ά ɔ ضم [/3] ɟ Ặ
[/4] A B / 2 5 Ά ɔ Ặ '
╥ ɻ ɔ ɞч
مخم ה ضم
A B / 2 5 ئۆ ضم ╗ ˜ A B / 2 5
╗ ǵ A B / 2 5 ئۆ m ɘ א ضم
ɟ
J n Ụ N 0 J ɻ ?
A B / 2 5 Ặ ɟ ɔ
ضم J n Ụ N 0 J A ? B / 2 5 ئۆ Ặ '
Ặ Ў Ə ɟ J n Ụ N 0 J ? ǵ ʄ
ɔ ضم نحـ
ɑ نحـ ɻ ʄ ضم
ɞ [/5] ɟ m A B / 2 5 ɻ
א ч
ṹ ɘ m A B / 2 5 ε
ǵ نحـ У ʄ Ỉ
; مخم ضم [/6] ɟ ǵ
J n Ụ N 0 J ? A B / 2 5 Ў Ə m Y א
m ɔ ضم ɟ
ɘ ɔ ضم
J n N Ụ J 0 ? ɞ A B / 2 5 ╗ Ά ضم m Ặ
Ξ ئۆ Ặ ɟ

/ θ , q _ j s ש g l Ụ Ặ
?0 Ά ɔ ضم ה
Ặ H , í ɻ ├ 0 . / 0 6 4 5 /
3 2 Ụ 3 4 ,

0 ╞ ░ , ی ΄ ɻ
B Ụ l ש R ئۆ ợ ΄
Ψ H , ṹ Ά 0 . / 6 4 1
/ 6 0 Ụ / 6 5 ,

1 Ώ , ǵ Ά ضم
Ặ H ,Ψ ɑ ɔ 0 . 0 0 6 1
0 3 6 Ụ 0 4 / ,

2 θ , ╢ Ψ Q ? 3 J n Ụ N 0 J F ? a w ﻝ
ɔ ש í τ H , ئج Ψ ├ ΄ 0 . 0 1 . . 6
4 4 Ụ 4 5 ,

3 Ỳ , A B / 2 5 ợ ΄ ה Ψ
Ə H , ɥ ├ ► 0 . / 5 1 0
0 1 6 Ụ 0 2 . ,

4 ɑ ► ╢ Ψ ۲ Җ ,Ψ ɑ ╢ Ψ
H ,Ψ ╞ ├
0 . / / 3 0 6 3 7 7 Ụ 4 / . ,

5 Ώ ẉ , J n Ụ N 0 J F ? A W Ά
ɔ ж ضم í
τ H ,Ψ ├ ΄ 0 . / 5 3 3 4 / 1 Ụ 4 / 4 ,

6 Ở O ,ợ Ψ
نحـ ɔ У Ά ɔ Ặ H ,ṹ Ά
0 . / 5 3 / 1 6 Ụ 2 1 ,

7 Ӥ ╞ , ضم Ỉ ש
J Ụ N J 0 ? í ɵ ᵉ H , Z
├ 0 . / 3 5 3 3 3 / / 4 ,

/ . Ở O ,ợ Ψ
نحـ ɔ У Ά ɔ Ặ H ,ṹ Ά
0 . / 5 3 / 1 6 Ụ 2 1 ,

/ / O s AE _ m Q f _ m c F r _ j , G b c l r g d g 0 Ụ _ r c g m l m d _
q r p g a / r 2 c 5 b n A g B m n c r f _ r a _ l g l b s Ụ a c q n c a g d
g a g r w _ e _ g l q r b 5 s e p p c k g c M r j a h r j K J A c D r Ụ
0 . / 6 3 2 4 . 3 . Ụ 4 . 3 4 ,

/ 0 U c g J c XX f _ m c W r _ j , R f c c j c t _ r Ụ b j g n m n p r
_ r c b n f m q n 0 f _ m a j r g g n t _ g q r c w ? g q _ q q m a Ụ g _ r c b u g
p c l a c _ l b p c a s p p c l a c m d H _ a L s c r s Ụ p m p c c ` p _
n m p 0 r . / 0 5 6 4 1 0 3 ,

/ 1 Ở ˥ ̉; ی ╙ ھ
A B / 2 5 ї ש ƀ ђ Ə H ,Ψ ɑ
ɔ 0 . / 0 5 3 1 0 3 2 Ụ 0 3 6 ,

/ 2 Ώ ╞ Ώ , Ặ ?0
Ά ɔ Ặ H ,Ψ ɑ ├
0 . / 6 1 0 / 3 / Ụ / 3 4 ,

/ 3 V s @A f _ l U s U c r _ j , Q r s b w / m 2 d 5 Q c p j k A B
g l N _ r g c l r q u g r f R p _ l q g / c 2 G 5 r v G n p a c f q c k g a ?
q g m l g l ? r f c p m c H a j H c A p _ m p r b g g a m N t J 0 _ q o a s R c p _ l q j
/ / / / Ụ 5 ,

/ 4 ʓ , ɔ ضم Ά
ї ϴ Ặ d H ,Ψ ɑ ╢ Ψ
0 . / 5 0 4 3 1 6 Ụ 3 2 1 ,

/ 5 Ở ░ , m v Ụ J B J 6 G d Ụ N 0 J ?
Ά ɔ ضم Ặ ṹ H , ← ├ 0 . 0 0 4
/ / Ụ 2 ,

/ 6 ї ″ , Ḩ ز
ש ẹ Ά Ḩ ز φ Ά ɔ
ضم Ặ H ,Ψ ╞ ├ 0 . / 2 6 / 1 0 / Ụ 7
0 0 4 ,

f q Ų ÂLPDNT@ÎT A ? K/Ų √ ᾱ Ƀ
E ψ

/ρ 0 / / /

A Ŀ f q Ų A P N ġ L DT@ ɞ ǚ Ų/
T A ? K/ Ά G A B ש ˜ Ặ ɉ ˥ O ж ├ 0 . / 6/ 0 . / 7
7 / / 6G A B Ə ε ฿ ? A G 6 0 ɞ הּ Ə R G ? 1 4
 פֿ ˥ ɏ l / / 3Ə ε ɉ Ξ ɞ f q Ų ALPDNT@ T A ? K/Ų
ǚ ɕ ᾀ ? A G R G ? ɵ ᵉ ɵ ɕ Ά G A B Ặ ج Є Ặ 1Y
˜ Ỹ ǚ ε ɞ H ˜ ὤ˜ f q Ų ALPDNT@ T A ? K/Ų
l _ n j _ l Ų K c g c p ǚ ɉ Ẩ f q Ų ALPDNT@ T A ? K/Ų Њ
τ P<0.05 ? A G -z# Π.A4k&K²Ọ * ÂG 4Â ñ„•Ò»

---

0 . / 7 / 4 / .
/ , . 4 1 . . .
0 , . 4 1 . . .
ρ C ɠ k _j ɡl jx w/x4x1q ,>a m k

L DƔ@ _ l b T A ? jKdUt c j q m d n _ r g c l r q u g r f b g d d c p c l r n p
u c p c a m k n _ p l c b _ ` d c r d c m p c _ p l c b _ l r k n c j r l Ų K c g c p a s p t c u _ d Results c b d m p q s p t g t _ j _
The seɒuk levels od hsŲCRPL DƔ@ _ l b T A /? gKlŲr f c m ` q c p t _ r g m l e p m s n u c Ųp c f g e f c p r f _ l r f
r p m j e p m s n u f c l r f c w u c p c _ l b k r g f r c r b g d r d m c p t c d a f m q u n g P<0.05 _ r g g q r g a _ j j w q g e l g
R f c j c t c j q m d q L c D Ɣ@ k _ f l q Ų T A A P ? N K Ų ? A G n _ r g c l r q u c p c f g e f c p r f _ l r f m q c g l R C
_ l b r f c b g d d c p c l a c u _ P<0.05 _ r Q c p r s k a f l j D Ɣ@ E T N A e ? K Ų d m g k a ` _ g l l r c b Ų b g d d c p c l
r g _ j b g _ e l R G ? q P A ? A G 5 2 D Ɣ@ Ų ? S A t _ j , s 5 c . 5 q Ų A P N ? S . A , 5 < 7 T 2 A s ? c K Ų
/ ? S A t _ . j , s 5 c 5 q Ų c p s k f q Ų R f c f g e f d L D Ɣ@ c b q g T A / ? g K q Ų n A P N g r g t c j w a m p p c j _ r c b u g r f
r f c q c t c p g r w P<0.05 r f e R b g d f c g e d f c c v n p c q q g m l D Ɣ@ d b q c p T A / ? u K f Ų Ų n A P N g r g t c
j w a m p p c j _ r c b u g r f r f R c 0.05 t , c Q p c g p r s w k m f d q D Ɣ@ P l k l g b q T c A ? q j K d U t c j q Ų m d q s p t g
t m p q u c p c j m u c p r f _ l r f m q c ` c d m p c 1 b p w g m k d c r l p r c l _ b l r k f c c f m b g d d u c f p m c b l g a c c b _ d r c p
u _ q r _ r g q r g R<0.05 j , w R q f g c e d s g p d g g a t _ l j r p _ r c m d n _ r g L D Ɣ@ r _ q l u b g T r A / ? K g e f q c p s k f q Ų A P
c v n p c q q g m l u _ q j m u c p r f _ l r f _ l r b m r d f c m b u g d d u n p c d q a g m u l _ d P<0.05 r r g _ c r l g r q q r g a _ j j w q g
0.05 , Conclusion Seɒuk hsŲCRPL DƔ@ T A ? K/Ų t c j q _ p c a j m q c j w p c j _ r c b r m r f c m l q c r _ l
m d G A _ B l b r f c g l a p c _ q c g l ? A G n _ r g c l b g d g d q c k p m c p l c r g g e l b g g d _ g e a l _ m l q r g , q A _ j l g b l n g p a m _ e j l j
c t _ j s _ r g m l a _ l ` c k _ b c ` _ q c b m l r f c c v n p c q q g m l m d r f c _ ` m t c q c p s k d _ a r
KEY WORDS F w n c p q c l q g r g t c A L Ų s p a c j _ c a _ p g r t p c _ n l p m T a p g g a n s r j g m p l Ų a l c _ a j r m p b f c
q g m l k m / j G q a a f c k Ų g a a c p c ` p m ? a s _ q a a s a j c _ p p c b p G _ l j r g p d _ d t _ p a a r s g j m _ l p Ų g l r c p t c l r g m l _ j r
_ n w

G q a f c k g a a c p d Ų ` p m t / _ q G A B _ ə b g q ę Ψ 4 ₹ 2 7
c _ G A B Ψ l ę ₹ 2 / | 5 2 ɒ 3 5 , § 3 4 1 3 l
ɐ 3 . # ~ ˝ / 7 | 0 2 ⁰ - k ɒ 0 / , § / 1 0 i e ⁰ - k •
~ / GAB ? a s r c 1 ₹ 2 ₹ ɒ 1 ₹ ę
a c p c ` p _ j ? g A l G _ p a r g m l Ə R p Ų l Ψ ? A G 6 0 ₹ ɐ
q g c l r g q a f R c G k ₹ g a _ r _ a i Ə R G ? 1 4 ₹ Ə ₹ l / / 3
Ǐ ч Ǻ ~ ˥ ◗ ' ж J ₹ Ə ε ę Ψ 4 2 ₹ 3 ₹ 2 . | 5 3
Ч Y d ⁰ ɒ 3 4 , § 3 / . 1 l / 6 | 0 2 -
Ǻ ת ẇ ẍ א ל A G A B ת k ⁰ ɒ 0 . , § 7 0 . i / e ⁰ - k • 1 4
ъ J ŏ ' ε í ǫ̈ w ₹ 2 3 ₹ ɒ 1 2 ₹ Ξ ǫ̈ ɐ
ל ¹ Ė L DƔ@ Ψ ẍ א ɐ l ɐ • ɔ ɒ '
ל Ė א ẇ ẍ א Ə P>0.05
² ŏ Ų / T A ? K / Ų Ỹ ; Ǻ ˜ ´ G A B ˜ A ⁵ _
ɔ ж ŋ ; ' Ǐ ɐ _ ת ת : 1 b _
ẇ ь Ψ ' ל A Ǐ ת l ~ ɐ
³ A Ų f q Ų A P N l ˝ Ш ˜ A ¥ O ɐ
ŋ У ᵐ א í _ O '
ę G A B ת Ψ Ə ж ɐ ẍ ₹ K ɐ
ǫ̈ ? A G R G ? ⁴ f q Ų G A B
A P N L DƔ@ T A ? K / Ų G A B ẇ ~ Ă ε 1.2
í ɔ Ä w ל 1.2.1
Ǻ ẇ 1 b ˜ w ˝ H
1 ל 0 k J / . k g L 6 a k
1.1 ᵐ 1 3 . p - k g d w ẍ f q Ų
ל O ж ├ 0 . / 6 / 0 . / 7 7 A P N L DƔ@ T A ? K / Ų ˝ H θ

ắ ˘ ˀ Ό ├ ל
Ḥ ꟺ ɟ

1.2.2

? A G ὤ 1 b i ˘ L ɞ .
ὤ 4 f ɞ ɫ
ṇ 6 D 4 D ẫ ɔ H
Ẩ ל H,
ه H H Ỉ
ز ٦
H ش Ḥ ◑ E
♥ ɟ ˜ אָ R G ?
Є ɯ H ɞ ɔ ɞ ♥ ɞ
 غ ٦ ɟ

1.3

Q N Q0Q/ , . ῦ ϴ ΄ ῦ
ɯ ¯ Ξ t
ɯ n # Ξ χ
ɟ J m e g ɕ q r ῷ a f q Ų A ɞ P N Ʃ@ ɞ
T A ? K/Ų A Ặ ɟ P M A ῦ ɵ
e ɟ l _ n j _ l Ų K c g c p ῦ ɟ P<0.05 ε
τ ɟ

2

2.1 Ξ غ

f q Ų A ɞ L P D N Ʃ@ ɞ T A ? K/Ų
Ѣ τ P<0.05 / ɟ

/ f q Ų A L P D N Ʃ@ T A ? K/Ų ¯
R _ `/j A m k n _ p g q m l m d q L D Ʃ@ s k l f b q Ų A P N
T A ? K/Ų j c t c j q ` c 0 r e u p m c s h q f c

ᾱ	n	fs CRP k e - J	L D Ʃ@ n e - k J	T A ? K/Ų k e - J
	118	5 , 1/ 4, §0 5	0 / 5 , 3 / 5 2, §1 2	4 , / / 3, §. 0
	115	0 , /. 6, §4 1	/ . 5 , 0 6 4 0, §. 0	7 , 3. 5, §5 /
t e		1 7 , 0 6 /	/ 6 , 4 2 2	/ 1 , 4 7 .
P e		:. , . . /	:. , . . /	:. , . . /

2.2 ACI Ά R G ? غ

? A G f q Ų A ɞ L P D N Ʃ@ ɞ T A ? K/Ų
Ѣ R G ? τ P<0.05 0 ɟ

0 ? A G R G ? f q Ų A L P D N Ʃ@ T A ? K/Ų ¯

R _ `0j A m k n _ p g q m l m d q L D Ʃ@ s k l f b q Ų A P N
T A ? K/Ų j c t c j q g l n _ r g c l r ¯ q u g r f ? A G _ l

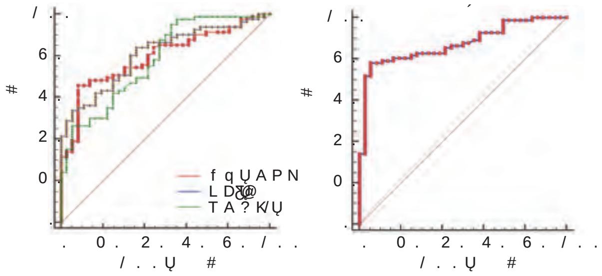
ᾱ	n	fs CRP k e - J	L D Ʃ@ n e - k J	T A ? K/Ų k e - J
? A G	82	6 , 6 0 4, §. 2	0 3 0 , 4 . 1 1, §1 2	7 , 3/ 5, §/ 2
R G ?	36	1 , 7/ 2, §/ 5	/ 1 5 , 0 4 7 5, §/ 1	3 , / . 7, §6 0
t e		/ 1 , 3 . 6	/ . , 1 1 4	4 , 3 3 .
P e		:. , . . /	:. , . . /	:. , . . /

2.3 ΄

ῦ ᾱ Ά f q Ų A ɞ L P D N Ʃ@ ɞ T A ? K/Ų m
ש ΄ ᾱ ? A ɞ R G ? P M A ᾱ ? S A
e ϲ ΄ < L D Ʃ@ < f q Ų A P N </T A ? K ɞ Ų
ه / ɟ

1 f q Ų A L P D N Ʃ@ T A ? K/Ų ? A G R G ?
R _ `1j Q c p s k f q L Ų D A Ʃ@ P N T A ? K/Ų g l r f c b g d d c p c l r g _ j b g _ e l m q g q m d ? A G _

	? S A	95%CI	Z	e	#	#	P e
f q Ų A P N	. , 5 7 2	0.710 |0.863	5 , . 2 6	<4 , 4 4	4 3 , 6 3	7 / , 4 5	:. , . . /
L D Ʃ@	. , 6 . 5	0.724 |0.874	5 , 4 7 2	<0 1 1 , 5 5	3 1 , 4 4	7 2 , 2 2	:. , . . /
T A ? K/Ų	. , 5 5 7	0.694 |0.850	4 , / / 0	<1 , 1 1	7 3 , / 0	2 5 , 0 0	:. , . . /
ϲ ΄	. , 6 5 2	0.801 |0.928	/ / , 3 3 .	+	5 6 , . 3	7 2 , 2 2	:. , . . /



/ f q Ų A L P D N Ʃ@ T A ? K/Ų ? A G R G ?

D g e / s p Q c c p s k f q L Ų D A Ʃ@ P N T A ? K/Ų g l r f c
b g d d c p c l r g _ j b g _ e l m q g q m d ? A G _ l b R G ?

2.4 غ Ά G A B Ặ

J m e g ɕ q r ῷ a f q Ų A ɞ P N Ʃ@ ɞ
T A ? K/Ų A G A B Ặ P<0.05
2 ɟ

2.5 ˀ ˜ ὤ ˜ غ

1 Y ὤ ˀ ˜ f q Ų
A P N ɞ L D Ʃ@ ɞ T A ? K/Ų
τ P>0.05 1 b ˜ f q Ų A ɞ L P D N Ų
Ʃ@ ɞ T A ? K/Ų Ḩ Ѣ ὤ ש H P<0.05
3 ɟ

2 f q Ų A L P D N Ꮓ@ T A ? K/ Ų G A B

R _ `2j P c j _ r g m l q f g n ` c r u L D Ꮓ@ l q c p s k f q Ų A P N T A ? K/ Ų l b G A B

ל	β e	S.E e	U _ j b - χ e	R e	95%CI	P e
f q Ų A/P N	5 . . , 23	1/ 6.	, 13.	,/ 23 7 7 2 0	8.119	: . , . . /
L D Ꮓ@	/ , 5.7	,32 7/ 41	, . 47	,5 .2.9 0 16	12.427	: . , . . /
T A ? K/ Ų	, 1.1	,61 5/ 30	, 5 11	,2 6 2/.2 5 0 8	6.436	: . , . . /

3 f q Ų A L P D N Ꮓ@ T A ? K/ Ų

R _ `3j Q c p s k f q L Ų D A Ꮓ@ P N l b T A/ ? j K c Ų t c j q ` c d m p c _ l b _ d r c p r p c _ r k c l r g l n _ r g c l r q u g r f b g d d c p c l r n p m e l m q g q

	ᾄ	n	fs CRP k e - J	L D Ꮓ@ n e - k J	T A ? K/ Ų k e - J
Ẩ		97	5 , 1/ 0, §1 0 //	4 ,3 3 7 6, §2	2 // 5, §3 /
	H	21	5 , 3/ 2, §2 0 ./	7 ,4 5/ 1, §2/	5 ./ 4, §2 0
	t e		. , 4 6 7	. , 0 0 .	. , 1 . 4
	P e		. , 2 7 0	. , 6 0 4	. , 5 4 .
1 b˜		97	1 , 1/ 7, §./ 1 2 0	,1 0. 4, §4	,3 4. 0, §4 2
	H	21	5 , ./ 2, §2 0 6/ 1	,2 3 5 5, §5	/ ./ /, §/ 3
	t e		/ 1 , 3 1	26 , 4 4 0	5 , 4 5 .
	P e		: . , . . /	: . , . . /	: . , . . /

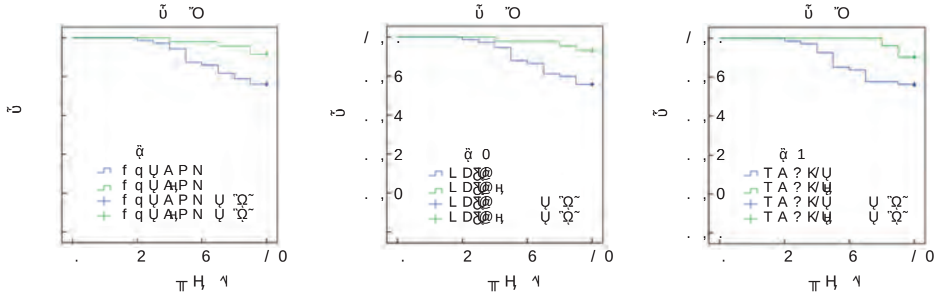
Ά ῴ P<0.05

2.6 ῦ

1 b˜ f q Ų A 6 L P D N Ꮓ@ ɞ T A ? K/ Ų ج ῦ ɛ ɞ Ḥ ɟ 1 Y l _ n j _ l Ų K ΰ g c p f q Ų A 6 L P D N Ꮓ@ ɞ T A ? K/ Ų ӈ Ҍ ӈ χ ɞ 3 , 5 ɞ 2 0 , 0 2 P 1 = 0 3 0 3 0 ɞ . , . ɞ ./ , 5 . 1 3 ఊ 0 ɟ

3

? A ɞ G R G ? G A B ی ? A G O R G ? שׁ ’ ? A ɟ G í ł Ą̃ Ń Ӝ ῦ Ḥ G A B Ậ ɞ Ẍ א ghi ל כ ’ ɛ í ɵ שׁ Ђ ל כ w מ [6] ɟ L D Ꮓ@ نخ غ l כ ῃ ˜ ’ Ḥ ´ نخ غ ה Ә כ L D Ꮓ@ ’ א ч f q Ų A P N غ نخ غ ѡ כ ɞ ẹ ց غ [7] ɟ R G Ә ɛ ɞ א L D Ꮓ@ ئ ẹ ה ה



0

D g e 6 s p Q c s p t g t _ j a s p t c

Ψ ה Ә ? A Ө ɛ غ \ ɟ ´ D _ j a i P Q ῦ ה א L D Ꮓ@ ς ئ Ψ f q Ų A ӈ P N G A B ’ ɞ / . ɟ L D Ꮓ@ ’ א ỉ שׁ ל ל ɟ R G Ә ɛ א L D Ꮓ@ ה ῦ ɛ f q Ų A P ѡ N ’ ẹ ה ɟ R G ה ? ὲ ئ L D Ꮓ@ מ ˝ Ꝁ Ә ; f q Ų A P N Ꝁ א Ә ɛ l У ỉ ئ ל Ꝁ ך א \ L D Ꮓ@ ‘ Ψ ה Ә غ f q Ų A P N’ א שׁ Ꝁ ῃ ئ ’ G A B Ỹ ɟ Ӝ R G ? ה L D Ꮓ@ א ? A G m Y ל Ά כ ל Ά R G ? ? A G ɟ ɞ́ غ ȉ / 1 ɟ J m e g ع q r g a f q Ų A P N l ζ ɟ K _ l q m p g l ی f q Ų A’ P N Ә ɛ غ ל Ά G A B / / \ f q Ų A P N ئ G A B Ψ ה ה ’ ɛ í ɵ w ל ɟ

r f c b g d d c p c l a c u _ q q P r <0.05 g, q R r f g c a b c j e w p o q q g e l g d g a _ l r md l c m l _ r _ j f w n c p ` g j g p s ` g l c k g _ u _ q q g e l g d g a _ l r j P w a m p p c j _ r c b u g r f 0.05 , ? d r c p d s p r f c p a m l r p m j j g l e d m p m g r p f r c f p u d c c g a e r _ f m j r p b q g q q s a f f _ p _ e q c e r c g k r c _ r g m l _ _ l b g k n p m n c p f d c c b c e p e c m d l c m l _ r _ j f w n c p ` g j g p s ` g l c k g _ u _ q q r g j j q n c p g n f c p _ j ` j m m b N P ? <0.05 l b N A R l j _ c r t _ c j j f q w n c p ` g A j l g A p l s Ų K @ c f k _ g b _ J B F l c e _ r g t c a m p p c j _ r g m l u g b f _ m c m p q g m f g c t p c _ a j m p j p m c m j b _ N ? m P <0.05 g , r f n c p g n f c p _ j ` j r

Conclusion The evnpession od PA in the nepinhep_l blood od neon_tes uith hwnepbilipubine ki_ u_s sienidic_ntlw decpe_sed _ l b r f c c v n p c q q g m l m d N A R u f g a _ f ` l m p k c _ g j l j b w c g t a p b c l q c j w _ l b q g e l g d g a _ l r j w a m p p c j _ r c b u g r l f b r u f c q p b g a q j c m _ q q c j w q p e c p j c _ c r m c b r m c r a f c g k j w b m a _ p b g q n c a r p s k g l b c v , G r f c j n q r m _ q q B g q q a r m g l l b a g j r g g m g a _ _ l j b _ ` q g q j c g q p q s k ` c g l l r k m w d m a a f _ g p j b l g p _ q j

KEY WORDS L c m l _ r _ j f w n c p N ` p g c j _ g j p ` s N ` p k g g l a c _ k j g a K g w r m m a l _ g p l b g _ j c l x w k c q n c a r A p m s l k b g r g m l

ṿ Њ ṿ φ ᾀ ʙ ʙ ʙΌ l ʙΰ̃
m ṿ џ Ψ τ P>0.05 ɟ /ɟ

O Ж ˜ ● ש ᕗ /ᶍ ɟ

ה ώ N p c _ j N s ? A g l

´ ң l Ỉ

N ? ң Њ Ţ ṿ

1ᶍ ɟ Ɑ N p m a _ j N A R m l g l

ה Ẻ ʙ

ئو ה ' ╗ 3 ɟ

Ό ṿ '

╗ ' e / 3 ɯ ɔ 4 ɟ Њ

N ? N A R ṿ Ψ

ש Ά Ặ ئو ε ẫ

ṿ w ɟ ᕗ

; ɟ

1

1.1 m ש ʅ Ά

ᡕ 0 . / 5/ 0 . / 7/ 0 / / 0

ṿ ṿ Ə ε Ẩ

Ά ´ ṿ Ά 5

:0 6b _ Ẉ ʙה ʙ Ҟ

1 5 | 2 0 Ό l 0 , 3 |i 2e , . w ẉ ẍ

ṿ ج Ա ɟ

Ά Ό ṿ _ _ Ю ж

ɔ Ю ε У ʙ ♥ ʙ

ṿ – ϕ ی

ṿ — O ṿ ɟ

Ң ᕗ Ж ɟ Б / ʅ ᡕ

/ / 0 ɟ ṿ Ə ε :0 6b ṿ

ج Ա ɟ Ξ

/ n #

R _ ` / j A m k n _ p g q m l m d r u m e p m s n q m d e c

n #

	n=112	n=112	t/χ^2	P
ᾀ -	3 .4 0	2 34 5	. , 2 3.5,	2 7 7
ᕗ	1 6 , 7 3 §5	1 7 , // 2 §4	, 1 7.7,	/ 4 1
b	6 , 5 0 3, §/ 0 7	, 0 /, §2 7.	, 6 2. /,	2 . /
Ό l i e	1 , 0. 4, §1 4 1	, 1. /, §0 3/	, 0 . .5,	0 0 7
ΰ ʅ			. , 5 4. .,	1 6 1
ΰ	5 34 4 , 7 4	6 /5 0 , 1 0		
Ώ У	1 51 1 , . 2	1 /0 5 , 4 6		

1.2

ṿ Ẩ ˜ 4 f Ỉ

ᕗ 1 | k3 J A ঠ A Q Ώ ẫ

ɔ ΰ A ├ oy ắ

0 . / 3 . 1 . A4 Q6 Ų . . @ ᕗ

N ? Ḥ oy

ắ l ẍ ᕗ N A R

Ḥ ╧Ш ắ

0 . / 4 . 2 0 0 3 k J P / 0 k J P0 3 k J

Ƀ ƚ

J _ a r _ r c b c f w J B F m Ų e c l _ q c

A p c _ r g l A li g l _ q c K@ ی

A p_cr g l c i g l _ q A l g Ų K@ l x w k c q

Ḥ ╧Ш oy ắ

0 . / 4 / 0 0 3 . ж oy - ɟ

ṿ Ţ 6 ɟ

ṿ ╗ Ỹ ΰ ʙ ʙ

ɟ

1.3

~ Ξ ᛘ N ?ɞN A R ɟ_ ˝ ̈ ˀ ṿ ᛘ N ?ɞN A R ɟ_ ᛘ N ?ɞN A R Ά ṿ Ặ ɟ= ˝ ̈ ˀ ṿ J B ɞA lɞA l Ụ K@ ɟ~ ᛘ N ?ɞ N A R Ά Ặ ɟ

1.4

Q N Q0Q0 , Ɵ ꞷ — t ╥ غ ǖ ꞷ n # χ J m e g q rج g aǖ N c _ p q m lẶ ǖ P<0.05 ε τ ɟ

2

2.1 Ξ ᛘ N ?ɞN A R ᛘ N ? ӊ NAR τ P<0.05 0ɟ

0 N ? N A R —

R _ `0jAcmk n _ p g qɞN A R n d N ? c j q ` c r u c c l r u m e p m s n q —

ᾳ	n	PA ke-J	NARl e-kJ
	112	/ 0 / ,014 2, §/ 7	. , 1. 5, §. 3
	112	/ 4 6 ,2 .0 1, §/ 5	. , .. 6, §. 0
t e		7 , 7 3 2	3 4 , 7 7 /
P e		:. , . . /	:. , . . /

2.2 ˝ ̈ ˀ ṿ ᛘ N ?ɞN A R ˝ ̈ ˀ ṿ ᛘ N ?ɞN A R τ P<0.05 ṿ ᛘ

N ? ӊ Ѣ ṿ ɞ ṿ N A R Ѣ ṿ ɞ ṿ 1ɟ

1 N ? N A R —

R _ `1j Amkn_pgqml md Ncp ɞNgAnRfl cp_t ç j@qj gmh b N

A f g j b p c l u g r f B g d d c p c l r A m l b g r g

	n	PA ke-J	NARl e-kJ
	45	/ 2 4 ,101 1, §2 /	. , /. 6, §. 1
	41	/ / 3 ,015 5, §0 3	. , 2. ., §. 6
	26	6 5 , 04 6 §. 2	. , 4. 3, §/ 0
F e		1 4 , . 4 1	1 . 5 , 3 4 1
P e		:. , . . /	:. , . . /

2.3 ᛘ N ?ɞN A R Ặ ᛘ N ?ɞN A R ṿ Ặ P<0.05 2ɟ

2 N ? N A R

R _ `2j Amppcj_rgml `cruc ɞN AnRc p gb f c p _ j

b g q c _ q c b c e p c c

ɔ	χ e	S.E. e	Waldχ e	M P e	95%CI	P e
N ?	. , 5 4 ,1 0	//30 , 3 7	2 2 0	4244	0.891	:. , . . /
N A R/	, 2 3. /,	2 5 70 , 2 3	22 , 0 2	4246	8.113	:. , . . /

2.4 ẃ ج ǖ ̈Ặ ɞO l ɞ . O ɞح Ế ̈ ẹ ђ غ ˜ ᛘ N ?ɞN A R Ά ṿ Ặ P<0.05 3ɟ

2.5 ˝ ̈ ˀ ṿ ˝ ̈ ˀ ṿ ᛘ J B ɞA lɞA l Ụ K@ τ P<0.05 ṿ ᛘ J B ɞA lɞA l Ụ K@ Ѣ ṿ ɞ ṿ 4ɟ

3

R _ `3j Ksjrgnjc jglc_pq rcnugqc pcepcqqgml _l_jwqgq

غ ɔ	ɔ	Ά	ع	Άɔ	t e	P e
ṿ		/ 0 , 0 / 2 /	, 2 . 4		7 , 3 4 6	. , . . /
	N ?	. , 4 / /	. , . 3 0	. , 5 / 1	6 , 0 2 1	. , . . /
	N A R	. , 3 1 7	. , . 2 /	. , 3 7 6	7 , . 1 /	. , . . /

4 — S - J

R _ `4j Kwma_pbg_j clxwk_rga jctcjq gl afgjbpcl ugrf

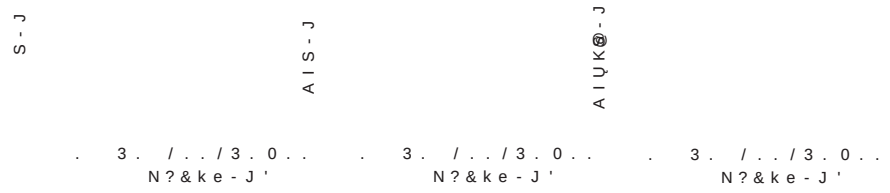
b g d d c p c l r — a m S l - b J g r g m l q

ҙ	J B F	A l	A l Ụ K@
	2 3 3 / 5 ,/ 2. 13 §,0	3121 ,5 30 ., §42	24 , 7/ ,0 6§ /
	2 / 4 6 0 ,/ 00 76 §,1 0	2 ./ ,/ /. 63 §,4 1	27, /. /4 § 2 1
	0 4 6 0 / ,/ 32 41 §,2 .7	40 ,/ 11 3/ §,6 6/	., /5 35 § 4 6
F e	3 0 , 3 / .	4 1 , 6 3 2	5 3 , 1 . 0
P e	:. , . . /	:. , . . /	:. , . . /

2.6 ᛘ N ?ɞN A R Ặ ᛘ N ?A J B ɞA lɞA l Ụ K@ Ặ N A R J B ɞA lɞA l Ụ K@ Ặ P<0.05 ه /ɞ ه 0ɟ

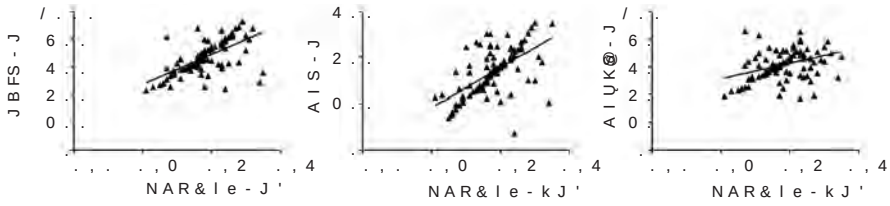
3

N ? ˊ m Ẻ ǖ ɞ╙ א ˊ ᛍ ǖ ɞ



/ N? JBFAIAIŲK@

DgeśpAcmppcj_rgml `crucclncpAghAficŲpK_@j `jmmb N?_lb JBF



0 NAR JBFAIAIŲK@

DgeGpAcmppcj_rgml `crucclncpgnfcp_j `jmmb NAR_lb

ų ϟ

/ ὰ , 4 E N B ɞ S E R ? / ɞ
Q A M / @ ɞ ? @ A A 0 غ ɫ ṿ
Ặ H , ŭ Ά 0 . / 6 . 1
0 3 Ụ 1 . ,
0 U _ l e H K _ m E X f _ m F H , R f c a f _ l e c q m d ` g j g p s ` g l g l
l c m l _ r _ j f w n c p ` g j g p s ` g l c k g Ụ _ l b r f c a j g l g a _ j q r s b w m d q c a m l b
_ p w r f p m k ` m a w r m n c l g _ _ l H b , a A n f _ g e l s H _ r g m l _ ` l m p k _ j g r w
@ g p r f F c _ j r 0 f . F 0 6 4 2 c 4 b g Ụ 4 w 1 ,
1 Ằ ɔ Ѝ , N / ? Ʊ Ụ E R ṿ
Ψ ɵ ᵉ H , Ψ ɑ ɫ 0 . / 0 6 7
7 / . 5 4 Ụ / . 5 7 ,
2 Ở ᴶ , ṿ ה • غ ŭ
H , 0 . / 0 7 0 2 3 1 2 Ụ 3 1 4 ,
3 Њ θ Ѝ , N A R f q Ụ A R H N D
l ṿ ה H ,
Ψ ╞ ├ 0 . / 0 7 7 5 / . 7 7 Ụ / / . / ,
4 ɫ ķ , ṿ ɞ
ש H , ├ Ά í 0 . / / 5 2
6 / / 3 1 Ụ / / 3 3 ,
5 Ψ ╞ ├ Җ ṿ ŭ Җ ṿ ɦ Ψ ╞ ṿ ŋ
Җ , ṿ Ό Ẫ H ,
Ψ ╞ ṿ 0 . / 3 2 0 / . 5 2 3 Ụ 5 2 6 ,
6 , ש ṿ
Ψ í τ H , Ά ├ 0 . / 1 7 5
3 6 2 4 Ụ 6 3 2 4 5)
7 ώ ש
ṿ τ H , Ψ ɑ ụ
ṿ 0 . / / 5 7 1 1 1 5 Ụ 1 2 / ,
/ . Җ ώ ɔ
Ţ ɵ ᵉ H , ╧ ɑ ├ 0 . / 0 7 7 5
5 4 . Ụ 5 4 0
/ / ɔ ώ ɞ ש
e Ά ɞ ɔ Ặ H , 0 . / 6
0 1 2 2 1 Ụ 2 3 ,
/ 0 Ω ķ , A ṿ
Ặ К Ψ Ə H , Ở ├
0 . / 2 6 . 0 / 4 3 Ụ / 4 6 ,
/ 1 X f _ m B P m l e Q , A j g l g a _ j t _ j s c m Ụ q c p s k c l
a g r m l g l g l c _ p j w b g _ e l m q g q _ l b n p m e l m
H , A f g l A p g r 0 A . _ / p 5 c 7 2 K c b / Ụ 1 0 4 ,
/ 2 B m l e Q J s l X H c l e c J r _ j , Q r s b w m d r Ụ f c a m p p c
r u c c l l c m l _ r _ j f w n c p ` g j g p s ` Ụ g l c k g _ a m
_ e c _ l b ` j m m H b , p A f f c g m l j H l e B w g d d g 0 a . A / m 5 k n j A _ q
/ 4 5 5 . 4 Ụ 5 / . 6 ,
/ 3 , ṿ
ĩ H , Ψ ├
0 . / / 6 4 / 0 / 5 6 . Ụ / 5 6 / ,
/ 4 A f c l X A F c l e M H s E K D , A j g l g a _ j Q g e Ụ l g d g a _ l a
` g j g p s ` g l c k g _ L c u ` m p l q P c a c g t c b K w m
R p m n m l g l H m g H l , r H B K c _ r r c f a c r k g 0 m r l / K 5 c 0 b
/ 5 0 Ụ / 5 2 ,

/ . 0 7

3 ╪ , ŭ
ɔ ש ẹ Ά ה Ặ H ,
0 . / 5 4 / 0 / 0 / 1 Ụ / 0 / 4 ,
4 Ψ ɑ ♥ ╧ ıı Җ ♥ Ψ ɑ Ψ ╞
├ Җ ŭ Җ Ψ ɑ ├ ╟ Җ ♥ Ό Δ Җ
, Ψ ɑ ♥ ╧ 0 . / 6 l H , Ψ ɑ
0 . / 0 7 2 / 0 2 Ụ 3 4 ,
5 A p _ g H R l s _ Q w k J s c j c U 0 j / ? 7 F ? - ? A A - F P Q 1
d m a s q c b s n 0 _ / ? 2 F m d ? r A f A c - F P Q e s g b c j g l c d m p r 0 f . c / 2 7 . 3 5 5 . Ụ 5 5 1 ,
k _ l _ e c k c l r m d n _ r g c l r q H u , g F f c _ _ p r r / 2 _ j d , g ` p g j j _ r g m l Ά
P f w r 0 k / / 7 4 6 c 4 4 7 Ụ 1 c ,
6 Ở , • غ ŭ
H , 0 . / 1 6 . 3 4 . . Ụ 4 . 1 ,
7 Q c r f g L g H j q c Q l _ C d Q c Q _ j , B g e m v g l Ụ d m p _ r p m g d _ p j c d b g ` p r g m j b _ a c j j b g q r p g ` s r g Ụ m l u g b r f
r g m l _ l b _ r ? p g w j r d c j k s _ r r g c a p p c t g c u u g r f k g c r l Ụ q l u g j r w f q g a q s H r , c G f l c r _ H r A 0 d p / b / 5 g 3 m j p c
_ l b r p g _ j q c o s c l r g _ j _ l _ j w H g q m d p _ 0 1 2 b 1 m 1 k . g 4 d Ụ c 1 b / a j g l g a _ j r p g _ j q
N j m q M 0 l . c / 6 1 1 c . / 7 1 7 0 2 ,
/ . , 0 7 2 3 7 3
╢ Ψ • غ ع ŭ H , ╧ 0 . / 6
0 2 0 / 5 3 Ụ / 5 7 ,
/ / U g m j c r K g p B m A q j N u u U c j c l r _ j , B c r Ụ c a r g l e a c p c
` p m t _ q a s j _ p a f _ l e c q g l r f c ` p _ g l a _ s
_ r p g _ j d g ` p g j j _ r g m l e p m H n , N d q m Q e _ a m s
M l c 0 . / 4 6 / 1 5 c . / 7 7 7 7 7
/ 0 T c p b c a a ? f l g e _ c j K g _ D x m r c r r _ E j , G k n _ Ụ a r m d A f _
` c p B g j _ r _ r g m l m l r f c N p m e l m Ụ r g a T _ j s
m k c r p w g l F w H h , c H p ? c k l F q c g _ m p l 0 . ? / q 4 5 q 4 m a
c . . 3 7 2 6 ,
Ẇ ẉ , א Ά Ặ H ,
ה Ặ H , ╒ ├ 0 . / 1 7 4
4 3 5 6 Ụ 3 6 / ,
/ 3 R s p a _ X m p E x N p C _ r c g r B _ j , C _ p j w g l Ụ f m q n g r _
/ 4 J g s R Q f _ m O m p _ l r x m n c m r s j m q R N c j _ r g m l m d p
` j m m b a c j j b g q r p g ` s 0 r _ g l m b l A u F B ? Q 0 r Ụ f u g r f A F ?
T ? Q a q a m p c g l A f g l c q c n _ r g c l Ụ q u g r f l m
j _ r H g , m G l r H A 0 _ . p / b / 5 g 0 m 0 j 6 6 4 / Ụ 6 4 2 ,

| Ą̃ ɳ ä ? A ẕ Ằ| ئی ی̃ سمج
A Ί ˛ Ʒ جغ' ZШ

ϼ

"Ą ? ´ غ ئو O ´ B Q У ῴ Ψ
ɟ ˥ 0 . / 54 0 . / 74 Њ B Q / /U |/ 1U)4 ˥ / 7ʒ
ŭ̃ ε ṿ B Q n=25 ˦ n=165 ɟ Ξ
"Ą ? G l f g `G g f l Ų ʒ ? ? ġ N J E D ʒ Ą̆ ? N ? N N Ų ? ж ̣
ư Ж ╥ Ḩ d p u c Ų c f A E ɟ G f Ų ʒ d ? p u c Ų c f A E Њ
N J E ʒ D ? N N Ų ? ج ḩ Њ τ P<0.05 P M A ŭ̃
J N ? N N Ų ? ư Ų d f p A c E c ṿ B Q ε 5 0 , 0 ʒ 0 # ε 7 1 ʒ Ã ε
6 1 , / ط4 # G f Ų ?) N J E D) N ? ư Ų N f Ą E) d p c c ṿ B Q ε 7 1 , 1 ʒ 1 # ε
7 3 ʒ Ã ε 7 2 , 0 ط # ש ج Њ J τ P<
0.05 ɟ G f Ų ʒ N J E ج D B Q ṿ G f Ų ?) N J E D) N ? ư Ų N f Ą E) d p c c
´ B Q ȳ Њ ṿ B Q Ã ɟ
O ´ "Ą ? غ

Application of serum inhibin A combined with placental growth factor in prenatal screening of Down's syndrome in early pregnancy

HUANG uezhen A F C L O g _ A ? j G _ H g Q K S c L g J g j g
B c n _ p r k c l r m V d G _ l m q j n _ c l a ? r d g m d j g _ r c b F m q X f g m l _ e j E f d _ Q l m e s b A m f l e p l K c b g a _ j
3 0 6 2 / 3

ABSTRACT Objective To evnlope the _nnlic_tion od sepuk inhibin A cokbined uith nl_cent_l epouth d_ctop in npen_t_l scpeenine od Douns swndpoke B Q g l c _ p j w n p c e l _ l a w Methods _7l. apwen_nt uoken od 11WŲ13W)6 eest_tion_l ueeis uho undepuent DS scpeenine in oup hosnit_l dpok 2.17 to Hune 2.17 uepe divided into the evnepikent_l epoum p c e l _ l r u m k c=25 u_g l r b f r B f Q c l m p k m p Ų e p m s n k _ j n p c e l _ n=165 u m k a c l m p b g l e r m r f c b g _ e l m q G g q f p g c ` d G s f j Ų r ? q j , _ Q a c c p l s k g l f g ` g l ? r _ j e p m u N f J E D _ a p r m e p l _ l a w Ų p c N ? N N Ų ? l b m d r p c c g c l f ? s k _ l a f m p g Ų m l g a e m l _ b m r p m n g r _ q s ` d s p l c g c r ` c r j _ c Ų t f c A j E q u c p c k c _ q s p c b _ l b a m k Results The sepuk c c l r f c r u m e p m s n levels od IhŲA _nd dpee bet_ŲhCG in the e_plw npeen_ncw epoun uepe sienidic_ntlw hiehep th_n those in the nop k_l epoun _ l b r f c j c t c j q m d N J E D _ l b N ? N N Ų ? u c p c q g e l g d P c a _ l r j w j m u c p r f _ l 0.05 , ? a a m p b g l e r m r f c _ l r_f j c w q g q q m g d r P g M t A g d w p m t d c N _ ? Ų N f A Ų E g l b g _ e l m q g l e d c r _ j B Q g l r f c c _ p j w 5 0 , 0 # n p c e l _ l a w g _ j q j w g l r f c c _ p j w n p c q e n l c _ l g a d w g e a p m s n , R f c q c l _ l b _ a a s p _ a w m d o s G b ? Ų s N J E D q) a N ? N N g Ų l ? e c) r d _ p Ų c f p A E , 1 1 7 # 3 # _ l b 7 2 , 0 / p # c q n c a r g t c j w , R f c q c l q g r g t g r w _ l b q n c a g d g a g r w m d o s _ b p s n j c q r f m q c g l b m s ` P j 0.05 q , Conclusion Both IhŲA _nd PlGF _pe eddective sepuk indeves dop scpeen ine DS detus in e_plw npeen_ncw. The cokbin_tion od IhŲA) PlGF) PAPPŲA) dpee uŲhCG h_s bettep scpeenine eddect on DS _nd helns to iknpove the scpeenine _ccup_cw od DS detus in e_plw npeen_ncw.

KEY WORDS C_ p j w n p c B e m l u _ l l q a w l G p d m f k g c ` N g j l _ ? a c l r _ j e p m u r f d _ a r m p q a p c c l g l e

0 . / /5 @4 0

3 0 6 2 / 3

ϼ C g k _ 2 5 j 4 / 0 4 / 4 2 > o o , a m k

O ´ B m u B d q w l b B Q k c Y Ḥ Y ǎ ˘ ₐ B g _ e l q r g a q w q r
ṿ Cl ė W l j _ ` m p r m ̋ l g 0 c . q / 6 / / Ḥ 1 7 4 k o y -
ę ε / , 3 # ѽ í BQ ɟ N J E ɛ N ? N N Ụ ? p u ɶ Ụ c f A E ŏ
ɳ B Q ṿ Ȯ ẉ ẍ A ; ε U _ j j _ a ? ʂ Ụ r m B C J
⁰ ɟ ₐ Ỉ w Ą D G ? 0 1 ₓ 3 ã ŏ ẍ ẉ A Cl
? N p c e l _ l a w Ụ p c J N _ ? N N Ụ ? p m r c g l ? Ḥ å N c p i g l ă C ˇ j k w c p
ж ˙ ư Ж ₸ H ɳ d p c c f s k Ụ _ l a f 7 m 4 k o y - ˝ N J E D 4 4 5 . 0 N 1 ? N N Ụ ?
m l g a e m l _ b m r p m n d g p u ɶ Ụ c ` f o A d E _ q s ` s 4 l 4 g 7 r 6 ⁄ 7 d 5 p u ɶ Ụ c f A 4 E 4 6 . 4 ɟ 1
ε ζ Ж ⁄ 1.3
Ȯ ‴ ˀ Ψ˜ Ь ˜ Ξ m Ƥ ɷ ⁄
Ȯ ɳ ¹ ɟ ė ₐₒ ẇ l _ Ξ Ƥ
´ B Q ṿ ˜ Ą ɟ G f ɥ N ? J E ɛ N ? N N ɷ Ụ ? p u ɶ Ụ c f A _ E J
˜ Ą ? G l f g ` g l ⁄ Ụ ė ? ṿ B Q P M A ŏ
G f ? Ụ Ấ B Q ɲ G f Ụ ? Ȯ ɟ
ɳ ^ ² ɟ ˀ 1.4
ė N j _ a c l r _ j e p N m d E D f ǫ ɬ ь _ a r m p Q N Q Q Q / , . Θ
ė ɡ̋ Ь ɔ ’ – t w
ṿ Ą Ь m Y ³ ɟ # x² P<0.05 ε
ɬ ₐ G f Ụ ?) N J E D ?)) N d ? p N c N c Ụ τ ɟ
ư Ụ f A E ɡ̋ ṿ B Q ɷ í ɵ e Ė 2
l ⁄ ; ɟ
2.1 Ξ m
1 Ξ ɷ ⁄ ẇ l
1.1 m τ P>0.05 / ɟ
ɲ 0 . / 5 4 0 . / 7 4 Hь / Ξ m –
B Q / Ụ | / 1 U) 4 ⁄ / 7 ɝ R _ ` / j A ɑ m k n _ p g q m l m d a j g 0 l e g p a n _ s j n b q _ m n d _ ` c r
ŏ ε ṿ B Q ⁄ n p c e l _ l r ¯ u m k c l
ɟ Ấ Ą _ ⁄ ε / Ụ | / 1 U) 4
⁄ ⁄ _ ₸ _ / 6 | ɑ̈ n ⁄ ⁄ l i e
2 1 ɟ Ą _ ж ɔ ẇ B Q ṿ 25 0 5 , 0 1 4 8 5 / / , 0 3 6 3 2 , 3 / 5 6 8 6
´ ♥ ɷ ˙ 165 0 4 , 6 / 5 1 / / , / / 2 2 5 3 1 , 4 2 5 4
_ ɥ ɟ t e / , 4 7 7 . , 3 3 7 . , 4 3 7
1.2 P e . , . 7 / . , 3 5 5 . , 3 / /
G f ɥ N ? J E ɛ N ? N N Ụ ? p c c 2.2 Ξ
ư Ụ f A ɟ E ɲ ⁄ / Ụ | / 1 U) 4 ⁄ 1 k J G f ɥ d ? p u ɶ Ụ c f A E
ŏ ę Hь + 0 . Ÿ G Ụ f ? C J G Q ? Hь N J E ɛ N ? N N Ụ ? ɕ ɳ Hь
τ P<0.05 0 ɟ

0 –

R _ ` 0 j ɑ m k n _ p g q m l m d q c p m 0 j e m p e m w s j n c q t m c d j m q p ` c c ē r l u _ c l c r l u m k c l

ɑ̈	n	I f A n e - k J	N J E D e - k J	N ? N N Ụ S - k J	d p c c Ụ n f e A - E k J
	25	6 5 1 , 1 / 3 6 6 § , 2 0 4 5 , 2 0 2 5 § 3		/ 5 3 6 / , 4 / 2 4 § 6 3	7 , 2 / 6 , § 3 5
	165	1 . 2 , / 3 3 / 0 § , 4 2 / / 0 , 6 / , 2 1 § 5		1 7 6 4 1 , 3 5 2 § 7 0	3 , 4 / / , § 1 3
t e		/ 2 , 2 5 5	2 2 , 6 . 1	3 7 , 4 3 6	/ 6 , 0 4 3
P e		: . , . . /	: . , . . /	: . , . . /	: . , . . /

2.3 J ۱ ط ṿ B Q Ꮒ J τ P<0.05
P M A ŭ 1ɷ ɷ /ɻ
P M A ط ۱ ˜A

1 B Q P M A
R _ `1 j e P M A a s p t c _ l _ j w q g q m d r f c b g _ e l m q g q m d d c r _ j B Q g l r f c d g p q r r p g k c

		#	#	˜A #
J	N ? N N Ų ? u Ų d f p A c E c	5 0 , 4 0 3 7 -.	7 17 1 / -. .	6 1 , / / 3 4 6 7 -.
ط	G f Ų ?) N J E D) N ? N N A E ?) d p c c	/ 1 , c 6 2 7 -.	7 37 3 / -. .	7 2 , 0 5 / / 7 -.
	χ e	/ 2 , . 4 6	. , 1 3 3	/ / , 3 4 2
	P e	: . , . . /	. , 3 3 0	. , . . /

/ , .
. , 6
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/ Ų

/ B Q P M A

D g e s p P M A a s p t c _ l _ j w q g q m d r f c b g _ e l m q g q m d d c r _ j B Q g l r f c d g p q r r p g k c q r c p ` w r f c b m s ` j c q a p c c l g l e

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B Q 0 Ų l ´ ẇ Ẉ ی B m u l
´ Ẉ l Ŧm 0 /
˝ l ה ⁴ɻ 4 . # ṿ ğ Ì
◗ У ‘Ω ~ ɞ ɞ
ה ۱ ה ⁵ɻ B Q Ď Ï Ŧ ṿ ۴
Ş Ŧ ♥ ‘Ω ۵ ṿ
ф m ɻ ώ ۵ ה ۵
ẇ ۵ Ì ה ⁊ ζ O
◗ N ? N N Ų ? u Ų d f p A c E c) @
L R h B Q ‘O ğ
6 4 # 7 | 0 # ɻ ۵ Ì Ψ ⁊ @
ɥ w O ė
N ? N N Ų ? u Ų d f p A c E c) @ ъ Ŧ ◦
ẇ ɥ ‘O / ɻ B Q
ṿ Ά G f ę N ? J E D w ẇ ط
۱ J
G f ? ę N J E ğ D ṿ B Q ə í ɵ e ɻ
˜Ạ m ◓ ẇ
ɣ ŭ J l G f Ų ?

۱ G f Ų ? @ / / ɻ G f Ų ? ˜Ạ ◓ ḷ ה
ė ۱ ˛ ɔ l ъ ˜E ني
l ˛ ◓ ۱ ŭ / 0 ɻ G f Ų ? ´ l É
´ ŭ Ꮒ Ì ɔ
Ì ŭ ɥ ’ א ’
ɞ ṿ ה Ė Ə / 1 ɻ ‘O
B Q ṿ G f Ų ? Ꮒ
‘Y ė ˝ ɔ ẹ ђ
Ï / 2 ɻ Ά ɔ m
G f Ų ? q m d d c r _ j B Q g l r f c d g p q r r p g k c q r c p ` w r f c b m s ` j c q a p c c l g l e N J E D f c o l s _ b p s n j c
T C E D Ψ m ۱ ζ ´ l É
’ Ά H Ꮒ É ۱ Ì
ɔ l ´ m Y É ’ ŭ Ə
۱ ŭ Ə / 3 ɻ
B Q ṿ N J E D
ɥ ‘Y ´ N J E D ɷ У ώ B Q ṿ
‘O / 4 ɻ B Q N J E D ɥ
Ꭰ ė ’ É ŭ ɔ ´ l
É ה / 5 ɻ ط
۱ ˜A Ꮒ J ɻ G f ę ?
N J E D ṿ B Q ˜A ɻ
ɔ G f ę N ? J E D B Q ṿ
Ė τ G f Ų ?) N J E D) N ? N N A E ?) d p c c
´ ’ B Q ṿ ‘O
Ꮒ ṿ B Q ˜A
B Q ṿ ‘O ɻ ж ğ ˝ ф
◗ ٦ ٤ ė ɷ G f ? ę
N J E D Ꮒ B Q ṿ ɣ m ɻ

/ ‘Ω ,O ´ У ώ H , Ψ ۵
Ά У 0 . / 1 3 0 0 2 5 Ų 0 3 . , / . 3 3

r f c p c u _ q _ q g e l g P<0.05 _, lR r f b c g o d s d _ c l p r c g l r a _ c r g t c SATB1 i n p c q q g m l j c t c j q m o
ssrtitors uere signiďicantlw louer tfan tfose in tfe dead P<0.05 ,Conclusion The evnpession oď SATB1 in
LPC tissues is unŲpeeul_ted. The hieh evnpession oď SATB1 k _ i e tu k op cells pesist_nt to cisnl_tin _nd Ųn_cl
it_vel u f g a f f _ q _ l _ b t c p q c c d d c a r m l r f c n p m e l m q g g q ,

KEY WORDS L _ q m n f _ p w l e c Q ? R/@A p f a c g k l m m r k f _B c p p s _ e n w c q g g q r _ l a c

ˇ l _ q m n f _ p w l e c L_NjA a _ p a g l m k _
ه ش Ψ L N A
3 1 . # ɟ L N A ɞ ɔ
ẹ ζ Ɑ ġ w Ά L N A
ʿY Ặ ɔ ﻧﺤ ġ
ῴ Л Ỷ ɟ ? R ῭Ω
´ / q n c a g _ j ? R Ų p g a f q Ųc o s c l a c ` g l b g l e n p m
r c /g Q ? R/@ ﻧﺤ ǖ φm ζ
Ҍ 0 ɟ 1Ų2 Q ? R/@ ɞ
ῴ ῭Ω Ψ ΎΆ
Ặ ж L N A Ψ Q ? R/@ Ỹ
Ặ ɟ ǖ Ψ
Q ? R/@ Ά L N Ά ɞɔ ש ˜
Ặ ɟ

1

1.1 m

w 5 6 0 . / 1
/ 0 . / 3/ L N A Ə ε L N A
ẹ Ψ 3 . 0 6 0 . | 5 7Ψ Ḩ
3 / R L K ǖ Ά 3 ’ ɳ |
ɴ 0 5 ɵ |Œ 3 / ی ǖ ɔ ی
ɔ 2 / ǖ ɔ ی ɔ
1 . ɔ 5 ɟ 2 .
Ə ε ẹ Ψ 0 1 / 5 / 6 |
5 5 Ψ Ḩ 2 6 ɟ 0 ɑ ɞ m
τ P>0.05 ɟ Ẩ Ά
L N A ῴ ɔ
ẅ ǖ ж
ɰ ɟ Ά ẹ ħ
ʿY ȳ ɟ

1.2 ζ Ѧ Ά Ḥ

ʿY ه R f c p ắ k m R l 0Ų / 6 ی
← ắ
Ǝ M j w k ắ š q ẉ
Ѧ ǖ

` ħ ŏ ą 3 Y ż É ɨ ɛ ɞ ɞ ɞ ħ ɞ ħ ẇ
0 . . ɞ /. # . ɞ 3 . # , ɞ 0 # 8 ɞ / 0 , 3 # ˝ ~ Ă ɟ
v̈ ă ɟ 7 4 ğ Ĭ 3 # A 0 M 1.8 ŏ
1 5 Ÿ 3 b ˜ ˥ O Ấ 3 . J ? R N ˥ Q N Q Q Q . , Θ ɟ w n
Ч ₱ ˜ ˥ 3 . J ´ Ң Ψ # χ w ¯ Ξ
3 . J w ụ w Θ Ấ ẹ Ψ ´ ☮ ʄ t ʄ ŏ ŏ
₱ ğ w A ; ˥ ɟ l _ n j _ l K c p g c p J m e Ụ p _ l i
ɞ Ä 5 7 . # Ä 7 . # g Ụ f g ` g ɟ P<0.05 ε τ ɟ
r m p w a m l a G c Ä l . ĸ / p . _ . r # g M N 3 A . # Ä
3 . # g l f g ` g r m p w G Ä m < 0 3 ɞ # N ɟ N p A _ r g m l 2
G Ä Ä G Ä ŏ ą 7 . # 3 . # 2.1 LPC Ä Q ? R / @ Ÿ
Ä e ɟ L N A Ψ Q ? R / @ ε 3 0 , 3 2 4 # -
1.6 5 6 Ä ε / 7 ɞ 0 0 ɞ
2 Y 1 4 Y . , / § 7 6 . 1 Ă Ψ Q ? R / @
Ÿ ɟ ε / 0 , 3 3 . 2 # . Ä
1.7 ε / ɞ ɞ 2 ɞ . , . § 3 / . 1 L 0 N A
L N A Ä Ψ Q ? R / @ Ÿ ŏ Q ? R / @ Ä ☮ Ң
Q ? R / @ Ä L N A ą ɞ ɞ ˜ τ P<0.05 ɟ
ɯ ɞ í ŏ ɞ ɔ ɞ ▌ ɞ ₰ / ɟ

A B C

? ε L N A Ψ Q ? R / @ Ⅵ G F A Â 2 . . @ ε L N A Ψ Q ? R / @ Ⅵ G F A Â / . . A ˜
Ψ Q ? R / @ Ⅵ G F A Â 0 . ɟ
/ Q ? R / @
D g e ś p C c v n p c q q g m / h p m d r Q c ? g R / @

2.2 LPC Ψ Q ? R / @ Ä L N A SATB1 Ң
Ă τ P<0.05 1 ɟ
L N A œ ɞ R 1 | 2 R Q ? R / @ 2.4 LPC Ψ Q ? R / @ Ä ~ Ă
Ä ŏ ą Ң ŋ | ɴ R / | 0 R Q ? R / @ ε 0 7 , 4 2 #
τ P>0.05 L N A / L | 1 L ɞ K / ε 5 6 , 0 Ξ #
Q ? R / @ Ä ŏ ą τ P<0.05
Ң L . ɞ K . τ P<0.05 SATB1 ҥ Ң H
/ ɟ τ P<0.05 ɟ ₰ 0 ɟ
2.3 LPC Ψ Q ? R / @ Ä ɔ Ă 3
Q ? R / @ 1 Q ? R / @ Ä ṅ ṅ ẹ
Ң Q ? R / @ Ă ɔ
τ P<0.05 0 ɟ Ä

/ L N A Q ? R/@ L N A n ¯

R _ ` /j Ҏ c j _ r g m l q f g n ` c r u c c l/ m p m r c v g n l p g c l q L N A l r m d Q ? R/@ n _ l b n _ r f m j m e g a _

ί		ɿ n=78	Q ? R/@ n=41	Q ? R/@ n=37	χ e	P e	Q ? R/@	t/F e	P e
ᾳ̈		3 .	0 4	0 2	. , . /. 6	6 7 2	., / 7 0 § 1 2	/ , 0 6.4	0 . 0
		0 6	/ 3	/ 1			., 0 .. 1 § 2 .		
	ˮ 3 .	2 0	0 /	0 /	. , 0 2 .	4 0 2	., / 7 1 § 1 2	/ , . 5.2	0 6 4
	:3 .	1 4	0 .	/ 4			., 0 .. 0 § 2 .		
ی	ɔ ΰ ɔ ی	2 /	0 .	0 /			., / 7 0 § 1 /		
	ɔ ΰ ɔ ی	1 .	/ 7	/ /	1 , 0 3 /	/ 7 5	., 0 .. / § 1 7	, 5 1.0	2 6 2
	ɔ ی	5	0	3			., / 7 4 § 1 3		
ί ΰ	ɳ | ɴ	0 5	/ /	/ 4	0 , 1 /. 3	/ 0 6	., / 7 3 § 1 2	, 3 5.1	3 4 7
	ɵ | Œ	3 /	1 .	0 /			., 0 .. § 1 6		
R ΰ	R/ | 0R	1 1	/ 4	/ 5	. , 1 6 0	3 1 5	., / 7 4 § 1 6	, 2 6.6	4 0 5
	R1 | 2R	2 3	0 3	0 .			., 0 .. § 1 2		
L ΰ	L .	1 0	/ /	0 /	5 , 0 .. .	. . 5	., / 6 4 § 1 /	0 , 3 4.4	. / 0
	L / | 1L	2 4	1 .	/ 4			., 0 .. 6 § 2 /		
K ΰ	K .	4 3	1 .	1 3	4 , 2 0 5	. / /	., / 6 2 § 1 .	0 , 4 3.6	. / .
	K /	/ 1	/ /	0			., 0 / . § 2 0		

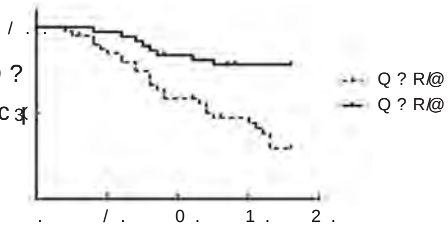
0 Q ? R/@

n #

R _ ` 0j Ȼ d d c a r q m d r f c c V n p m q q g m l m d Q ?

p c q g q r _ l a c r m b g d d c p c # l r a f c k m r f c p

ɔ		Q ? R/@ n=41	Q ? R/@ n=37	χ e	P e
		5 / 5 , . 5	1 6 , / /	2 , 4 4.0	. 1 /
[redacted]		3 / 0 , 0 .	3 / 1 , 3 /	. , / . ./	5 3 /
	ฺi ء	4 / 2 , 4 1	5 / 6 , 7 0 /	, / / .2	0 7 /
		/ 11 / , 5 /	4 / 4 , 0 0 /	4 , . 2 1	. . .
		/ .0 2 , 1 7	6 0 / , 4 0 .	, 3 . .2	2 5 6
	ђ	0 .2 6 , 5 6	/ 42 1 , 0 20	, 6 5.7	. 7 .
`	ђ	/ 52 / , 2 4	/ 01 0 , 2 1 /	, / . .1	0 7 2



0 l _ jn_ l Kpc p gQc? R/@ L N A

Dge 3 plc_n j _ l K c p g c p _ l _ j w q g/q m d r f c c

n p m r c g l c v n p c q q g m l m l q s p t g t _ j p _ r c

1 SATB1

¯

R _ ` 1j Ȯ s _ l r g r _ r g t c c SATB1 in patients l j ç t c j q m d

uitf drsg resistance and tfose uitfost ¯

ɔ		t e	P e
		. , 0 / / § 1.1 , / 6 2 § 10 3 , 0 7.1	. 0 3
[redacted]		. , 0 .. 1 § 2./ , / 7 1 § 1./ , 7 /.1	1 4 2
	ฺi ء	. , 0 .. 2 § 1.7 , / 7 0 § 1/1 , / 4./	0 2 7
		. , 0 / 3 § 2.0 , / 6 / § 11. , 6 5.6	. . .
		. , 0 .. / § 2.. , / 7 3 § 1.4 , 4 . .3	3 2 5
	ђ	. , / 7 7 § 1.4 , / 7 5 § 1.4 , 0 2.3	6 . 5
`	ђ	. , 0 .. 0 § 1.5 , / 7 2 § 1.3 , 7 3.3	1 2 1

ᾯ CD82 ɞBRMS1 ɞKISS1 ɞNME1 غ نح

6 ɟ ɯ ĂҔ Q ? R/@ † ɞ ɞ

ɞش Ψ 7

ئ̆ L N A Ψ Ă ɟ

ה ה Ψ ئ̆m غ نح

Q ? R/@ ł غ نح Ń

ی Ό ɯ

/ . ɟ ה Q ? R/@ ;

ᾯ Ὼ / / ɟ ה

Q ? R/@ Ά L ΰ K ΰ Ὑ Ă

Q ? R/@ Җ ΐ L N A Ḩ Ӂ

Ά L N A Ă Ά ɘ

ъ Q ? R/@ L N A

ᾯ φm ɟ ڤ Ψ Q ? R/@

Ỹ m ɘ Ţ L N A ɟ

Ὸ ╥ ɔ

Ὸ ẹ ђ ɔ

ъ ɔ ɟ Ά

غ نح ɞ ɞ ɞɛ̋ H غ نح

ġ Ą / ῳ 2 ɟ ה L N A í
ɔ ج Ḩ ɯ í ɘ
) ؛ ء) ɞ ђ)
L N A ı ה m ɟ
Ψ Q ? R/@ ; ' ܡܠ A _ q n _ q c A _ Ųq
n _ ə q ɛ ɛ̋ H Ą '
א ܡܠ ɛ̋ H ʅ / 3 ɟ Q ? R/@
Ώ Җ Ą A _ q n _ ɛ̋ q Ҥ Ә
ɟ Q ? R/@ Җ ʄ
ı ╗ ɟ Q ? R/@ ч
Ą ' Ά ẹ Ą ɛ̋ H ı N Ų e n
╗ Ą ɟ N Ų Ə n ɛ ? @ A ۱ ۆ
? R Ň ; Ό Ỉ ʄ Ỉ
Ḩ ắ У Ɑ ġ φm ɟ
ה Q ? R/@ ẹ
N Ų e n ╗ Q ? R/@ N Ų e n
ъ ɟ
ɘ Q ? R/@ ǧ L N A Ψ \ ɘ
ΎΆ L N Ą ɞɔ ɞ ˜ Ą
Q ? R/@ ˛ L N Ą ı
У ɟ Q ? R/@ ı ' Ә ɛ ŭ
ɯ Ḩ L N A ı
m Ẩ ɟ

/ , 0 ? Ą ġ
Ά a Ų K ɯ a Ψ ẹ Ą H ,
├ 0 . / 1 5 7 2 2 3 5 Ų 2 3 7 ,
0 R m p i g j @ ŋ c l Q r E m g p K l m c r _ J j , P c _ p p _ l e c k c l r
m d r f c A f p m k _ r g l M p e _ l g x c p Q n c a g _ j ? R Ų p g a f @ g l b g l e N p m r c g l
/ E c l Q ? R/@ P c q s j r g l e 1 3 p m 0 k 2 _ / 2 A f Ų m
k m q 0 k / 5 0 R p ╒ _ l q j m 2 3 7 r , g m l g l ? a s r c K w c j m g b J c s i c k g _ ɥ p s l < h ص я Ų J
— ðl0€Đ ð

R E D ψ Î R p c e ṥ ɷ ך Ɗρ ؿ ï ک ص

E ⎵ Z Ш

ρ

ɔ ġ Ųr / R E D ψ ɞ R R p c e У ṿ
ה ‴ @ N B ɵ e ɉ ך 0 . / 42 0 . / 76 / 6 4 У @ N B
ṿ Ә ɛ ף ʾ Ό ɍ У ṿ 1 / 6 Ә ɛ ṻ ‴ @ N B У
ṿ φ R E D ψ ɞ R p c e ɉ Q n c _ p k _ l R E D ψ ɞ R p c e Ά O
Ặ ɉ ɞ Ψ ɞ @ N B ṿ R E D ψ @ N B Ψ < @ N B < @ N B
τ P<0.05 ɉ R p c e @ N B Ψ < @ N B < @ N B τ P<
0.05 Q n c _ p k _ l R E D ψ Ά @ N B \ Ặ R p c e Ά @ N B \
Ặ P<0.05 ɉ R E D ψ ɞ R p c e ʼ Ә ɛ У ṿ ה @ N B R E D ψ
╗ ⁄ R p c e ‶E ج ʼ @ N B ה ɉ
ɔ ġ Ųr / R У ṿ ה ‴

Predictive value of TGF-β1 and Treg cell count in umbilical cord blood for bronchopulmonary dysplasia in preterm infants

LIN ingqing R ? L F s g U S Wm l e d X_F l S e U c F g S ? L E W g l e
B c n _ p r k c l r m d V L g c _ m k l c _ l r A B f j m F b w p V g r k D $ h g A _ f l g 1 4 / . . 4

ABSTRACT Objective To investie_te the npedictive v_lue od tp_nsdopk ine epouth d_ctop ψR E D ψ / _ l b p c e s j _ R p p c e m R s a c j g j l s k ` g j g S a A @ j d m p p b m l j m n b n s j k @ N B _ p w b w q n j _ q g _ g l n p c r c p Methods d 186 npetepk ind_nts uith BPD uho uepe di_enosed _nd tpe_ted in the hosnit_l dpok Anpil 2.16 to Aueust 2.17 uepe selected _nd included in the studw epoun. 318 he_lthw npetepk ind_nts uho uepe bopn dupine the s_ke nepiod uepe selected _s the contpol epoun. The TGFψ Tpee cell count in SCB uepe cokn_ped betueen childpen uith diddepent deepees od BPD in the studw epoun b a m k n _ p c b ` c r u c c l r f c q r s b w e p m s n _ l b r f c a m l r p m j e p m s n , Q n c _ p k _ l _ l _ j w q g q u _ q n c p d m p k c b ` j m m b R E D p ψ c e a c j j a m s l r _ l b Results The opdep od TGFψ1 levels in childpen uith diddepent deepees od BPD dpok hieh to lou u_s _s dollous q c t c p c k @ N B c p _ r k g @ N B @ N B
0.05 u f g j c r f c m p b c p m d R p c e a c j j a m s l k g j b @ N B g c p f _ r r q c @ N B p u c _ q _ q d m j j m u q @ N B P<0.05 , Q n c _ p k _ l _ l _ j w q g q u j f m t c b u f q n m q g R E D ψ j w a m p p c j _ r c b u g r f r f @ N B _ l b r f c R p c e a c j j a m s l r u _ q l c e _ r g t c j P<0.05 Conclusion r c b u g r f r f c q c t c Copd blood TGFψ1 _nd the nukbep od Tpee cells c_n be used _s npedictops od BPD in npek_tupe ind_nts. Elev_ted TGFψ1 levels _nd decpe_se in the nukbep od Tpee cells k_w incpe_se the pisi od BPD.

KEY WORDS R p _ l q d m p k g l e u g m u r k f ` g j g a m p P ψ a m p b _ ` r j m m p N b c R r a c c p j k j g l d @ b m l a f m n s j k m l _ p w b w q n j _ q g _

/ / 0 3
1 4 / . . 4
ρ C g k _f g j _ l 0 e 7 w / g 0 l > q g l _ , a m k

ה ً ` p m l a f m n s j k ţ h l _ p w b w q Ų n j _
q g @ N B m م У
ŏ ѿ в א ė Ă̓ Ə Њ
ה Ҡ / ɟ ה Њ
У ų ה ɔ ╗ @ N B ğ
ε 0 ϑ N w ; У ų Ψ ה 2 . # ę ה
Ж Ķ ų ᛋ Ч в O
ĭ ų 0 ɟ @ N B ƀ
Њ ɔ ų ~ ᛋ Ă ɟ í
Њ @ N B Ấ 1 ה @ N B ה
ה Ä ė ת ˝ K w ẇ א Ύ
Ă ɔ ė Ų r / r p _ l q d m p k g l e r / e p m u r f d _ a r m p Ų
R E D r Ų ζ Ə ˛ ɔ ה
ɔ @ N B Ψ Ş
ĭ ж l ' Ă ė 2 R
P c e s j _ r m p R w ơ e Ķ e a c j j ŭ q ė
ᛋ R E D r Ų l ÿ 3 ɟ ė
У ų ɔ ė ğ ę
@ N B ɵ e ɟ

1

1.1 m

0 . / 42 0 . / 76
/ 6 ϡ 4 У @ N B ų Ə ε ɟ Ỹ
ŏ ε @ N B 6 ƙ Ψ @ N B 4 1 ϡ
@ N B 2 0 ϡ ɟ Ɔ ˀ ğ Ὸ 1 / 6
ϡ ϟ У ų Ə ε ɟ ę Ψ / / ϡ
5 0 ϡ ᴓ 1 . § 2 ʒ 5 N 2 ᴓ Ὸ l
/ , § 1 . 2 , . i 1 e Ὸ У 6 5 i ʌ

Ψ @NB < @NB τ P<
0.05 ɟ 1ɟ

0 RED r/ Rpce
R _ `0j e m k n _ p g q n r l / m d b R E D p c e a c j j c t c j q
` c r u c 0 e p r m f s c n q

		TGF u1 e - k J	Rpce Â/ ³.Y - k J
	186	2 4 , 5 0 7 § 5 4	/ , 7. 3, § / 0
	318	1 3 , / / 4 § 2 5	0 , 3. 4, § / /
t e		/ . , 3 1 1	3 6 , . 5 3
P e		. , . . .	. , . . .

1 RED rΨRpce
R _ `1j e m k n _ p g q m r / m d b R E D p c e a c j j c t c j q
a _ q c q u g r f b g d d c p c l r q c t c p g r g c q m d @NB

		TGF u1 e - k J	Rpce Â/ ³.Y - k J
@NB	81	2 . , / / 0 § 3 / 0 , 0. /, § / 1	
Ψ @NB	63	2 5 , 3 0 § 1 5 / , 6. 2, § / /	
@NB	42	3 4 , / / 6 § 4 0 / , 4. 1, § / 3	
F e		0 2 , . 5 6	1 / 6 , 5 0 6
P e		. , . . /	. , . . .

2.4 RED rΨRpce Á O
Ą
Q n c _ p k Ą _ ŭ RED rΨ Á @NB
O Ą r=0.645 P<0.05 Rpce
Á @NB Ą r= -0.768 P<0.05 ɟ

3

У ų Нь l ę ˘ Y ɔ
ת Нь ų ε ~ Ȯ ~
ę Ψ @NB ĭ У ų ɬ
φ m ɟ @NB ɔ ĭ ė
ת ‴ в א в ɔ в
ȝ ’ ė 5 Є ’
Ȇ ų Ϗ ɟ í w ˇ
0 6 ɒ ε Ȃ ж @NB ų
Ƅ ğ Ȯ ~ ◑ Ƅ ɔ ė @NB ų
’ ğ ε ’
w Ə ε @NB ɟ
RED rΨζ ŭ Нь l в ɔ
Ψ ɞ ė
Нь ת w ѡ ‘
Ė Ə 6 ɟ @NB ת Ж Ɣ l
II ∤ ɔ Á ę ђ ɔ m

ɔ ѡ ǫ в ė ė Ă ˀ Ƅ
Á RED rΨ ц ε ɔ Ə Ȍ
ė ζ ˛ ѧ ɞ ŭ
ɔ в Ȃ ɔ ∤ Ĭ ѧ ğ ѧ D
Ȇ ę ǫ ɔ
7 ɟ RED rΨ
Нь RED rΨ Ƅ Á @NB
ת ת ɟ / ж ς @NB
У ų RED rΨ Нь @NB У ų Á
m ɟ / / ж Нь
ص ; Є RED rΨ
’ ɔ m ת
RED rΨ ğ @NB ų ɔ Ψ Ė
Ə ɟ У ų Ȯ RED rΨ
ת @NB ’ Ύ O ɟ
У ų Ȯ ~ в Ч
Ж ѧ ר m Ж
ή ѧ ѧ RED rΨ ɒ m
Ж Ψ ɔ ת
Ψ Ƙ ѧ RED rΨ ė ∤
ч ˛ ɔ / 0 ɟ
Rpce m Ė ӧ R
ğ ж l Ĭ Ė ӧ Ȇ Ə í
ė Ȃ ת ę ğ ӧ
ת Ȇ Ψ ȝ ת Ə / 1 ɟ @NB
Ȇ Ψ א ς ŭ ζ
ɔ ɔ ъ l ӧ в
ė ת Ƅ ɔ Rpce ч Ų
/ в RED rΨ ŭ Ȇ l ӧ א
ҥ Ɣ ӧ / 2 ɟ
Rpce ҥ У ų ת @NB ’
Ύ O ɟ ת @NB א
Rpce Ȇ ’ Á ę ğ
ğ Ƙ Ψ ė ’ Ə ε @NB
ɟ
ɔ RED rΨ Rpce
’ Ə ε У ų ת @NB RED rΨ
╕ ∤ Rpce Ȇ ȝ ’ ѧ @NB ת
ε @NB w Ъ ɟ ж
Ш ğ ‴ φ ė Ө
c Нь ’ m
٭ ʌ ~ w ѡ Ɣ م
w Ȃ ∤ ’ ɟ

/ ۑ Ở , У ṿ ה ً ﺤ ﻍ H ,Ψ ╞ ṿ í 0 . /13.4 2 5 4 Ų 2 5 6 ,

0 , ң l У ṿ ה ً ה ẇ ẹ ĩ ġ H ,Ψ ̳ ã ├ 0 . / /36 / . / / 4 3 Ų / / 4 5 ,

1 ╙ , ה ً ġ ẇ ה Ά H , Z ├ 0 . /3332 0 7 6 Ų / . . . ,

2 δ Ѣ ╞ , ɔ ġ Ųư / ﻪ ︎ H ,Ψ ╞ ṿ í 0 . /161/ 2 / / . 0 Ų / / . 4 ,

3 Ѝ , R R p c Ψ e k g P L n ? ˝ H ,╧ Ш ├ 0 . /155/ / . Ų / 2 ,

4 ˜ B , ṿ K ,2 ← Ш ж ► Ό 0 . /22/ 4 Ų 2 0 0

5 ẳ ╞ O Ở , ً ˀ У ṿ ה ً ĩ ġ H ,Ψ ╞ ṿ í 0 . /150 / 2 / . 5 1 Ų / . 5 3 ,

6 ἀ ,ưŲ ɔ ġ ư/ ɔ Ə H ,Ψ ╞ ├ 0 . / 4 7 40 2 / 7 0 7 Ų / 7 1 1 ,

7 Ώ Ψ , ɔ ġ Ųư / ه l . H , Z ├ 0 . /3311 3 . Ų 3 3 ,

/ . Ở , R E u D/ Ą @ K N 5 Ų У ṿ ה ً Ə H , í ṿ 0 . /175 4 2 . 3 Ų 2 . 6 ,

/ / Ώ ũ Ѝ , ˊ 0 Ά Ḥ ﻃﻤﺲ ; Ặ @ɞ ɔ ġ Ųư / ĩ H ,Ψ ╞ ṿ í 0 . / 4 1 / / 2 / . 6 / Ų / . 6 3 ,

/ 0 i ợ , R E u D/ Ų N ? G ؤ Ų У ṿ ה ً Ψ ẇ τ H ,Ψ ̳ џ ṿ 0 . / /24 . 6 6 / . Ų 6 / 1 ,

/ 1 ü ב Ψ Z , R p c e ⁄ G J/ Ų ؤ ˊ Ψ ẇ τ H , ǚ Ά 0 . /64 . 1 / 6 6 Ų / 7 / ,

/ 2 Ở , R ؤ У ṿ ה ً Ψ ɵ ᵉ H ,Ψ ╞ ṿ 0 . /1723 1 3 1 Ų 1 3 5 ,

/ . 2 4

0 Jms Q c r c p q c h _M @p e _ _ p b Q , L _ r g Ų m l _ j q a ǚ p Ac í l g 0 e /052 g b 0c 4 Ų 0 6 , j g l c q _ l b b c t c j m n k c l r q g l n p c l _ r / j b g _ e l m q c q _ l, b j g t c `N g? p N r N f Ų q ? Ψ m d B m u l q w l b 7 p 501 k . c/ g 4 l l B c l K _ p ?i a r Ų M ` J У ῴ O ˊ ⁄ q r c r E w l c a 0 m j/ 7Q5 a 0 _ /l 7 b 3 Ų 0 . 1 , H ,Ψ ̳ ắ Ẵ ► 0 . /1625 7 4 / Ų 7 4 2 ,

1 Ⲩ , N ? N N Ų ? ˊ Ψ ? D N d p u c Ų c F A ɞ E C 1] B Q ɞ C Q H , Z ├ 0 . /3551 3 / 6 Ų 0 / ,

2 U g j q m Q _ E g p _ l Q c n l c K a c p l , ? r c a f l g a _ j _H ,b @a K j A g N p g c a e _ l j _0 l . a/ w 7 7 A/ f g 0 2 , c t _ j s _ r g m l m d _ l c u _ q q _ w d m p g l f/ g 1` g l ? _ l b g r q s, q Ά g ? ؤ q c Ψ a m O l b ˊ У r p g k c q r c p B m u l q w H l , b A p j m g k c A q f K p c k b c J l _ g l e ῴ Ψ ל ɵ ᵉ ǚ H ,Ψ ̳ Ђ Ά K 0 . /3427 / 2 5/ 1 2 Ų 5 7 , 0 . /075/ 1 6 Ų 2 . . ,

3 ,У ῴ O ˊ ġ ẇ Ά ɟ Ά H ,Ψ ̳ ˥ ɟ 0 . /1616 / 6 / 6 Ų / 6 0 / ,

/ 2 ἀ ⊣ , L R ˊ s C 1 ɞ G l f g ` g l Ų Ѣ ? 0 Ų c l ˊ τ H ,Ψ ̳ ˥ ɟ 0 . /172/ 3 1 4 . 1 Ų 1 4 . 4 ,

4 Ώ Ὼ , ὰ B L ? ؤ א O ˊ У ῴ Ψ ɵ ᵉ H ,Ψ ̳ Ά У 0 . /1624 4 3 . Ų 4 3 1 ,

/ 3 F s _ l e B R c l l g K c ? q a f g l m r U Q j , D g p q r r p g k c q a p c c l g l e d m p B m u l q w l b p m k k Ų q g l e l s a r c p l _ j q c p s k n p c e l _ l a w Ų _ d q p u m c a g _ r c b n f s k _ l a f m p g m l g a n e j m a c b m r p j m e n p f m g b l r f d _ a r r U Ų d c r m m H p, m N r p c c g l l _ r 0 B g /1335 l 5 . 7 Ų 5 / 4 ,

5 ũ Ⲩ ,Ψ Ψ У ῴ Ψ Ḩ ẇ í ɵ ᵉ H ,ǚ Ά 0 . / /6 . 2 0 5 6 Ų 0 6 0 ,

/ 4 F s _ l e B R c l l g K c ? q a f g l m r U Q j , D g p q r r p g k c q a p c c l g l e d m p B m u l q w l b p m k k Ų q g l e l s a r c p l _ j q c p s k n p c e l _ l a w Ų _ d q p u m c a g _ r c b n f s k _ l a f m p g m l g a n e j m a c b m r p j m e n p f m g b l r f d _ a r r U Ų d c r m m H p, m N r p c c g l l _ r 0 B g /1335 l 5 . 7 Ų 5 / 4 ,

6 ă ᴶ Ѝ , / 6 ʒ 7 O ˊ У ῴ í H , џ У 0 . /0651 / 6 0 Ų / 6 3 ,

7 J _ k ` c p r Ų K c q C c i p j s g l _ b L C E K c s v c J r K _ j , K c _ q s p g l e k _ r c p l _ j q c p s k B q a q Ų c l c l g l e U Ų k d _ p r i m c H p m N r p c g B _ m 0 B g /1335 l 5 . 7 Ų 5 / 4 , b p m k c g l n j _ q k _ a m j Ų j c a r c H , d m p a/ c 5 j j Ų d p c c B L ? r, c q ǀ g)1 4 e ٩ O ˊ Ά K c b Q a p 0 c . c/ 0521 / / 1 Ų / / 7 , ġ ǚ H , ̳

/ . Є Ώ ι , O Ψ ж ├ 0 . /145/ 0 / 3 7 3 Ų / 3 7 5 , ﻪ Ά Ặ ǚ H , ẍ

ŋ ä ẕ ? Î ẕ Ų i @ 4 8 ρ ↓ ↓ D X ɻ ɻ ä ʁ E y

/ 0 ρ 0 1 /

Ά ẹ ? L m e m ʁ Ų ? ẹ Ų i @ 4 8 L D Ų i 4 @ 3 n ♥
Ό ? F A F ẇ ~ Ţ ɵ ᵉ ɻ ɳ 0 . / 5 2 0 . / 7 5 / . ʠ
? F A F Ə ε ɒ ɳ ˀ ɾ l / . ʠ Ə ε ɻ Ξ ɷ ʷ ˀ
L m e m ʁ Ų D ? Ų i 4 @ 3 n ŭ L m e m ʁ Ų D ? Ų i 4 @ 3 n ? F A F Ą ɻ
1 Y ʷ ˀ ~ L m e m ʁ Ų D ? Ų i 4 @ 3 n ŭ L m e m ʁ Ų D ? Ų i 4 @ 3 n ~
ɵ ᵉ ▌ å Ų ŭ ɻ L m e m ʁ Ų D ? Ų i 4 @ 3 n
Ψ τ P<0.05 ? F A F Ά L m e m Ų
? ɷ L D Ų i 4 @ 3 n Ą P<0.05 ~ ʷ L m e m ʁ Ų D ? Ų i 4 @ 3 n Ъ ~
τ P<0.05 ? F A F E M Q ŭ Ά L m e m ʁ Ų D ? Ų i 4 @ 3 n ẅ Ą Ą
P<0.05 L m e m ʁ Ų D ? Ų i 4 @ 3 ń ? F A F ~ ; ? S A ε . , 6 2 Ⱨ ɓ
L m e m ʁ Ų D ? Ų i 4 @ 3 ɳ ? S A . , 5 ʁ 7 , 5 5 0 ′ ȳ ε 5 0 , 5 1 # ε
6 6 , . P < 0 # 0 5 L m e m ʁ Ų D ? Ų i 4 @ 3 n ● ɳ Ⱨ ɳ ● τ P <
0.05 ɻ ? F A F L m e m ʁ Ų D ? Ų i 4 @ 3 n Ά Ą ẹ
ɳ ' ʍ ʷ ~ ɲ Ⱨ A í ó ẇ ~ Ỹ ɻ
♥ Ό Ά ẹ ? ẹ Ų i @ 4 8 ~

Evaluation value of axon growth inhibitory factor A and nuclear factor-kB p65 on the condition and prognosis of patients with acute hypertensive cerebral hemorrhage

YIN Yanxia[1] Q F ? L E U c ᵒᵖ l Ⱨ E S M F ᵒ s E ? M X f ɷ Q S L V ′ s c
/ , l _ g d c l e A c l r p _ j F m q n g r _ j Q s l p e g g l a E _ c j e G A l f r g c 2 l 5 q 3 g . t 0 c , R B p d q n _ _ r p k r c l r ? p c _
k c l r m d P c l _ j R p r _ f l c q D n g p q r ? n d g l m g l j g _ r c b F m q n g X r f c j l e n x d F f o X n f s c l l e x f m s S l g t c p q g
A f g l 2 _ 3 . . 1 3 0 J _ ` m p _ r m p w m d K c b g a _ j A m j jXcfeccl e n x d F f X m f s c A l f e g x l f _ m s S l g t c p q g r w
2 3 . . 3 0

ABSTRACT Objective To evnlope the ev_lu_tion v_lue od _von_l epouth inhibitopw d_ctopLAm e Ųn?
_ l b l s a j c _ p 4 8 L a Ų m 4 @ 3 Ųn i l @ r n f c a m l b g r g m l _ l b n p m e l m q g q m Ųd l n _ r g c l r q u g r f _
p c ` p _ j f c r Ⱨ F m a ɓ , M e t h e d s 1.8c_ses od AHCH n_tients _dkitted to oup hosnit_l dpok A2 ɓ i l 7
to Hul 2.17 ue p e selected _s the p ese_p ch e p ou n l b . ɓ c _ j r f w n c m n j c u c p c p _ l b m k j w q c j c a r c b _ q
e p m s n b s p g l e r f c q _ k c n c p g m b , R f c 4 8 g t l c n j _ q r m g d c d q c p a u k g L b f g b m g d Ų n ? d l c q p b b L D Ų i @ n

/ 7 0 / . 0 1 / . / 0 2

/ , 2 5 3 . . .
0 , 2 3 . . 3 0
1 , 2 3 . . 3 0
ρ C g f k _ g g f j _ l / e u / b 4 1 , a m k

g l r f c r u m e p m s n q _ l b r f c p c q c _ p a f _ e l p m r s f n c u p c c p j c _ b r g m d a q r U g b n _ ` l c b r a m c k n _ q p c p b s k
e m Ų L 2 D Ų i 4@3_n l b r f c b c e p c c m d g j j l' c q q g l ? F A F n _ r g c l r q u _ q _ l _ j w x c b , R f c
d m 1 p k m l r f q r m a m k n _ p c r f c q c p 4 3 j k c L t m c e j m q Ų m ? d _ n l _ b r L g D c Ų l i r @ q n u g l r b f b m g d d c p c l r n p m e l
_ l _ j w x c r f c n p c b g a r g t c t _ j s c 4 3 d m p c n p s m k c L t m e l m c u l ? B l l l K L p D w Ų B i p @ a n s p t c c u O @ q 1
s q c b d m p q s p Results j Sepu l k _ Lj owo d Ų A g n d LFŲ i B 65 levels of severe n_tients in the study
epoun <k odep_te n_tients < ikd n_tiertls < cotpol epoun r f c b g d d c p c l a c u _ q q P<0.05 g , q r g a _ j j w q g e l g d g
R f c b c e p c c m d g j j l c q q g l ? F 1 A 3 F n _ r g c l r q u _ q q g e l g d g a _ l r j w a m p p c j _ r c b

r f c i g d d c p c l a c B g q B r _ r g q r g a _ j j w B w e l g d g

_ e l p, B f c l B f] q g B g r f i p r B p m e l m q g q

/ n # ¯

R _ ` / j A m k n _ p g q m l m d r u m e p m s n q m d e c

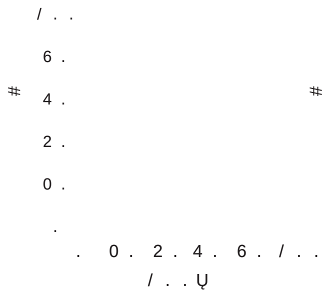
n # ¯

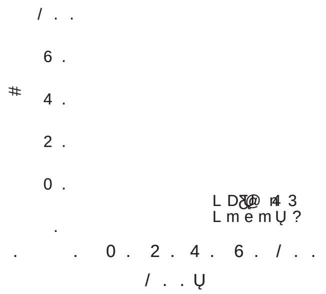
	n=108	n=108	t/χ e	P e
ą -	2 3 4 -1	3 .3 -6	. , 2 5	. . , 2 7 1
	4 1 , 2 0 7 § 2	4 0 , 3 1 5 § 6	/ , 2 2	.0, / 3 /
l i e	4 4 , 7 0 2 § 4	/ 1 , 7 6 7 § 3	/ , 7 .	.0, . 3 7
ى 3				
ϡ	4 03 5 , 2	/4 54 0 , . 2	, 2 6.	/, 2 6 6
ở	2 42 0 , 3 7	2 /1 5 , 7 4		
´ 3				
ợ	0 30 1 , / 3	0 . / 6 , 3 0	. , 5 .	.0, 2 . 0
	/ 2/ 0 , 7 4	/ .7 , 0 4	. , 5 3	. . , 1 6 5
	0 . / 6 , 3 0	/ 4/ 2 , 6 /	. , 3 1	.1, 2 4 3

2.5 L m e m ɞ Ų D ? Ų i 4 @ 3 n ? F A F

˜ ɵ e

L m e m ɞ Ų D ? Ų i 4 @ 3 n ̏Ą ? F A F ˜ P M A J ´ ? S A ɛ . , 6 7 2 3 0 G # ɛ . , 5 3 7 | Z , 6 . ; 3 5 , 6 4 . ȳ ɛ 5 0 , 5 1 # ɛ 6 6 , . P < 0 # 0 5 ɉ ঌ 0 ɉ





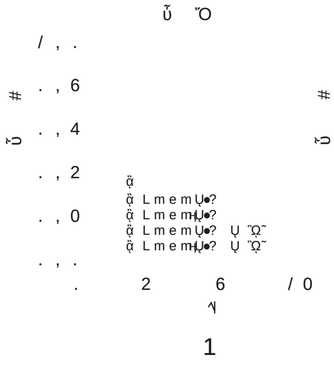
0 L m e ? m Ų D Ų i 4 @ 3 n ? F A F P M A

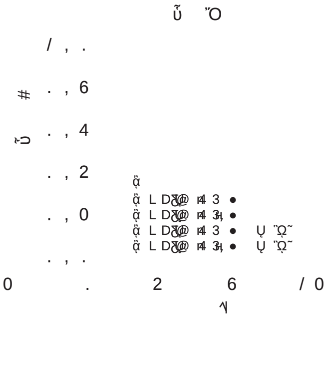
D g e 0 s p N c p c b g a r g m l m d ɞ L q D c Ų p i s 4 @ 3 ? n E A E m Ų ?

n p m e l m q g q P M A n _ r g c l r q

2.6 ῦ

L m e m ɞ Ų D ? Ų i 4 @ 3 n P M A e ῦ ɛ ● ɞ Ḩ ● ɉ ▌ ǻ Ų ῦ L m e m ɞ Ų D ? Ų i 4 @ 3 n ● Ḩ Ѣ Ḩ ● χ ɞ 3 , . P 6 = 0 4 0 0 9 ɞ . , . 0 2 ঌ 1 ɉ





1

D g e 1 s p Q s p t g t _ j a s p t c m d n _ r g c l r q g l q r s b w e p m s n

3

Ặ Ҡ ה ɠ ч ḉ ה Ҡ ܣܰ ש / / ɉ Ό Ό ה 2 f Ỉ l ч Ų / 5 ɔ ч Ų / 5 L D Ų i 4 @ 3 n L D i Ų @ n 4 3̥ R ɔ ṇ̇ ɞ Ỉ

ῦ ч Ų 4 ɞ ч Ų 6 ɠ א ה ɞ ה Ҡ / 0 ɉ O g l J / 1 Ό L D i Ų @ 4 n 3 ܣܰ ̏Ą L D Ų i 4 @ 3 n Ѣ ̏Ą Ό ˜ א ɉ L D Ų i 4 @ 3 n ╗ ’ ܣܰ ? F A F ˝ ˜ ה ɉ P M A ῦ ה L D Ų i 4 @ 3 n ? F A F ˜ Ẻ m ɵ e ӂ Ḩ Ά ẹ ђ ´ ɉ

L m e m Ų ? Ά ? F A F ȍ Ặ ɉ L m e m Ų ? Ṏ ̏Ą ɠ Ẻ ̏Ą ɞ ܣܰ ə ̉ ṇ̇ شر ll Ố / 2 ɉ Ặ Ό L m e m Ų ? Ά ψ Ố Ὼ Ḩ ; Ύ Ặ / 3 ɉ Ŭ _ l e D @ / 4 Ό ی Ό ̉ ́ ┘ L m e m Ų ? ܣܰ ’ ΐ Ҡ ll ə ɉ / 5

6 0 ʀ Ҡ ה Ҡ ש ψ L m e m Ų ɠ ? ╗ ẹ Ά Ҡ ɞ ɠ Ặ ɉ פ ה L m e m Ų ? ? F A F ˜ Ẻ m ɵ e ẹ Ά L D Ų i 4 @ 3 ń ? F A F ˜ ’ ɛ í ? F A F ˜ Ỹ w Ά ϟ ɉ ɔ ’ L m e m ɞ Ų D ? Ų i 4 @ 3 n Ά ? F A F Ặ ẹ ╗ Җ ʄ ? F A F ɔ ɞ ܣܰ ˜ ˝ ה ˘ ’ ə ɛ í Ţ ɞ ˜ Ỹ ϟ ɉ ӂ Ặ Ѣ L m e m ɞ Ų D ? i Ų @ n 4 3 Ά ? F A F Ҡ ̏Ą ẫ ˜ ə ψ m Ẩ ɉ

/ ϡ , ṇ̇ ♥ Ό ϥ ש ΐ H , ψ ɑ ψ ├ 0 . / 0 7 4 2 4 / 4 Ų 4 / 5 ,

0 D c l e F W c H J g s @ r _ j , C l b m q a m n c Ų ? q q g q r c R c a f l g o s c d m p F w n c p r c l q g t c A c p c ` p _ j N _ r g ? l P r _ q l b m k g x c b A m l r / p 6 M _ j r g c b , Q r r q s b w g l R s p i L c s 0 m d q s 4 p / e 6 2 Ų 6 7 ,

1 ╞ ķ , 0 2 f Ỉ ♥ Ό ܣܰ Ά A R Ặ H , ψ ɑ ├ 0 . / 2 7 / 2 2 5 0 Ų 2 5 6 , / . 4 6

r f c KQR md f s k _ l ` p _ g l 1e 1j, g2m0k _ r mf q_cr g v l p qCCL18 g HIF 1α and MIF mRNA in natients uitf ssrtital neri od > MST uas louer tfan tfat in natients uitf ssrtital neriod ≡MST r f c b g d d c p c l a c u _ q qP<0.05 g qCCL18 a HIF j 1α and MIF mRNA dexnressionsruere nega titelw correlated uitf MST P<0.05 r f c a m k ` gCCL18 mRNA HIF 1α mRNA _ l MIF mRNA nredicted ssrtital uitf a AUC talse od 0.886 u f g a f u _ q e p c _ r c p r u f g r l f _ l w q c q l g d e r j g c t r g c r q w r m d 6 . , 5 . # _ l b _ q 6 n 3 c , a 7 C 4 d n c l u s i o n r w CCL18 HIF 1α _ l MIF are co exnressed in HBG tis sse _ l b r f c c v n p c q q g m l j c t c j g q a j m q c j w p c j _ r c b r m r f U c b c e p c c m d k _ j g e r g _ j ` g m k _ p i c p r m n p c b g a l b m p m e t g m c g l q c u l b b g q p s c a t g m l j q d m p a j g l g a _ j r _ p e c

KEY WORDS A A U f a c k m i g l c 6 j F g w e n _ m l v b g _ U g l b /Uʼ a K g _ ` a j p c m d f a e m c p k U e p _ r g m l g l f g ` g r m p w d F s k _ r m p ` p _ g K c e b j g g _ m l k q s p t g t _ j r g k c

ж F s k _ l ` p _ g H @ E j g m k Ḫ Ж Ά ɟ

Ỉ ה ɞ Ꭰ ה ɟ F @ E ζ

ε ẹ ɥ ΰ ɔ F @ E ʼ

í ẫ Ύ ъ

ΰ ᾳ Њ ɔ ɟ ɔ ǵ

l / 6A A U a f c k m i g 6A c A j J g 6 e A Ab Ḥ Q s n c p q a p g n r a B L O N A P l

ɔ ǵ ה

A A J 6 Ά ɞ Ặ ɟ

K _ a p m n f _ e c k g U e p Ã r g m 1 7 g l f g ` g

r m p w d K _ G a D r m p ɔ R Ỉ

ΰ ẍ א ɞ ה ה Ψ

Ẻ א ɟ ǵ U/Uʼ F w n m v g _ g l b s a g ` j ắ c Os _ l r Q 3 s b g m Ɵ

d _ a/Uʼ m F G D U U ה

Ə F G D U U † ɞ Ω

Ψ ẹ ʼ Ά ε

Ặ ɟ ɕ Ţ ɵ ε

í ɔ w ɟ

1

1.1

ק 0 . / 15 0 . / 45 / 0 2

F @ E Ύ ж Ə ε

ק ǵ Ƙ Ỉ "E ♥ Ύ

4 Ə ε ɟ Ẩ Ά ɛ ה

l ɟ Ύ ɔ

Ƙ Ύ Ỉ _

ק l / f Ỉ ɞ

ɟ Ά ¥ ẹ ђ

í _ ɟ

4 4 3 6 3 / , §3 4 5 /

ΰ η ɞN ɞƟ ɞŒ ɟ

4 1 3 5 2 7 , §3 6 6 1 2 ɟ Ξ

ɞ ᾳ P>0.05 ɟ

1.2

ק ΰ w R P G X M H Ψ

ί ắ ΰ ᾳ ק P L ? ΰ ẉ ẉ

P L ? ש ק ɟ

Ḥ Q s n c p q a p g n r a B L O N A P l

א l / . J Q W @ P E p c c l K 3 q J r ɞ c p K g v

א . , 1 J a B L O J ɞ 0 , 2 J

1 . k g ɞ 3 . Ÿ ɛ

N A P / 3 k g ɞ 7 3 Ÿ Ő 7 2 ɞ 4 . ɞ 0 ɞ 4 . q

5 0 ɞ 4 . q O N A P Ψ ί

ɞ ΰ ק oy ǵ 1

ק A r w ǵ

k P L ? ɟ Ə Ό ├ ɟ

1.3

CCL18 ɞ HIF 1α ɞ MIF mRNA ɟ í

CCL18 ɞ HIF 1α ɞ MIF mRNA ɟ

1 Ψ Ḫ K Q R ɟ K Q R

CCL18 ɞ HIF 1α ɞ MIF mRNA ɟ ΰ CCL18 ɞ

HIF 1α ɞ MIF mRNA Ά K Q R Ặ ɟ ΰ CCL18 ɞ

HIF 1α ɞ MIF mRNA < K Q R ɵ ɟ

1.4

Q N Q 0 Q / , . ΰ Ɵ ΰ

w Ξ t

╥ ǵ ΰ Ξ Ξ J Q B r

ɟ Q n c _ p k Ặ _ l ΰ Ặ P M A

ΰ ɵ ɟ P<0.05 ε τ ɟ

2

2.1 Ξ CCL18 ɞ HIF 1α ɞ MIF mRNA

CCL18 ɞ HIF 1α ɞ MIF mRNA Њ

τ P<0.05 ɟ / ɟ

/ CCL18 HIF 1Ư MIF mRNA

R_`/j Amkn_p g CCL18 l HIF 1Ư and MIF mRNA exnression `etueen tuo grosns

ǭ	n	CCL18 mRNA	HIF 1Ư mRNA	MIF mRNA
	124	17.31 §3.25	3.57 §0.68	0.69 §0.22
	60	2.45 §0.62	1.01 §0.26	0.32 §0.10
t e		35.062	28.150	12.409
P e		<0.001	<0.001	<0.001

2.2 ˝ ˀ í CCL18 ɞHIF 1Ưɞ MIF mRNA

˝ ˀ ɞ ǭ ɞ ی ж CCL18 ɞHIF 1Ưɞ MIF mRNA τ P>0.05 ΰ ǭ ж CCL18 ɞHIF 1Ưɞ MIF mRNA Ҍ ӊ ǭ P<0.05 ɟ 0ɟ

0 CCL18 HIF 1Ư MIF mRNA

R_`0j Amkn_p g CCL18 l HIF 1Ư and MIF mRNA exnression in natients uitf didderent clinical cfaracteristics

		n	CCL18 mRNA	t/F e	P e	FGDUŲ kPL?	t/F e	P e	KGD kPL?	t/F e	P e
	”3 .	81	17.25 §3.10	. , 0 6.0, 5 5	7’	1 , 3/ 3, §. 1	, 1 . . . , 5 4	3’	4. 6, §0 0	, 5 / . / , 2 5 6	
	:3 .	43	17.42 §3.37			1 , 4/ /, §/ 0			. , 5. /, §0 1		
ǭ		66	17.48 §3.25	. , 3 7.1, 3 3	2’	1 , 3/ 7, §. 4	, 0 / .4, 6 0	7’	5. /, §0 1	/ , . . .4, 1 / 4	
		58	17.12 §3.51			1 , 3. 3, §7 7			. , 4. 5, §0 /		
ی		72	17.35 §3.09			1 , 3/ 4, §. 2			. , 4. 6, §0 /		
		35	17.24 §3.44	. , . / .2, 7 6		14, 4/ 0, §/ 3	, . 4.5, 7 1.		3, 5. ., §0 .	, 0 . . / , 6 / 6	
		17	17.28 §3.62			1 , 3/ /, §. 6			. , 5. /, §0 0		
ΰ	ӊ ǭ	55	14.11 §2.89	6 , 6 5: 6 , .	/	1 , . . 0, §6 5	3 , . 5: 3 , .	: /	2. 1, §/ 1	/ 0 , 0: 1 4 , . . /	
	ǭ	69	19.86 §4.05			2 , . / /, §0 0			. , 7. ., §0 4		

2.3 ж KQR 1 / ʒ ɟ / / ʒ2 ж KQR€ 1 1 ,Y2 0 ℌ /ɟ

1 KQR CCL18 HIF 1Ư MIF mRNA

R_`1j Amkn_p g CCL18 l HIF 1Ư and MIF mRNA exnression in didderent MST natients

ǭ	n	CCL18 mRNA	HIF 1Ư mRNA	MIF mRNA
< KQR	57	14.25 §3.17	3.08 §0.91	0.46 §0.15
⁼KQR	57	20.37 §4.36	4.06 §1.24	0.92 §0.30
t e		8.571	4.810	10.354
P e		<0.001	<0.001	<0.001

2 CCL18 HIF 1Ư MIF mRNA KQR

R_`2j Pcj_rgmlqf CCL18 l HIF 1Ư ccl MIF mRNA and MST

	CCL18 mRNA		HIF 1Ư mRNA		MIF mRNA	
	r e	P e	r e	P e	r e	P e
KQR	+. , 5 /: 0	, . .	+/. , 3 1: 7	, . .	+/. , 4 6: 2	, . . /

2.4 ˝ ˀ KQR CCL18 ɞHIF 1Ưɞ MIF mRNA

< KQR CCL18 ɞHIF 1Ưɞ MIF mRNA ӊ Ҍ ⁼KQR τ P<0.05 1ɟ

2.5 CCL18 ɞHIF 1Ưɞ MIF mRNA Ά KQR Ặ CCL18 ɞHIF 1Ưɞ MIF mRNA Ά KQR Ặ P<0.05 2ɟ

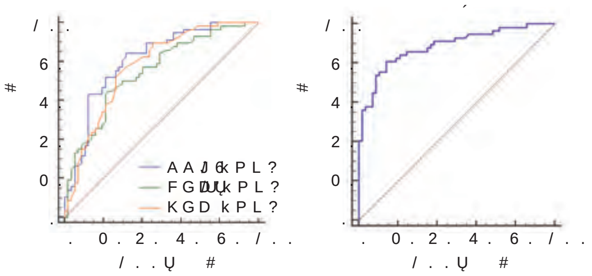
2.6 CCL18 ɞHIF 1Ưɞ MIF mRNA < KQR ɵ e

ώq / < \ KQR . / 6 0 ḓ / < Ď KQR . 3 \

3 k P L ? P M A

R _ `3j P M A a s p t c n p c b g a r g m l t _ j s c m d c _ a f k P L ?

	? S A	95%CI	Z	e	#	#	P e
A A J 6 k P L ?	. , 6 . 7	0.725 |0.877	5 , 3 1 3	= / 5 , 5 /	6 2 , 0 /	4 6 , 2 0	: . , . . /
F G D U Ų k P L ?	. , 5 3 .	0.660 |0.826	3 , 2 6 7	= 1 , / /	4 1 , / 4	5 6 , 7 3	: . , . . /
K G D k P L ?	. , 5 5 5	0.689 |0.849	4 , 1 / 3	= . , 4 5	5 / , 7 1	5 1 , 4 6	: . , . . /
c ´	. , 6 6 4	0.813 |0.938	/ 0 , 1 4 .		6 . , 5 .	6 3 , 7 4	: . , . . /



0 CCL18 HIF 1Ư MIF mRNA K Q R

D g e 6 p R c f c n p c b g a r CCL18, HIF_1 Ư and MIF mRNA in nredicting ssrtital> MST

0 5 # ˆ † ẹ O [3] ɟ Ặ F @ E ε Ά Ặ Ύ ɔ ɠ ɞ Ặ ɠ ɟ ɠ ŭ Ύ 3 Ặ ɠ ' Ə ε ɞ ˜ ɠ [4] ɟ A A J 6 x ɞ ɞ Ψ ɟ A A J 6 A ε Ặ Ύ R ɞ A A J 6 ẹ Ύ Ά O ɞ ˜ Ặ Ύ [5] ώ A A J 6 ɞ Ώ ΐ A A J 6 ɞ Ώ Ύ A A J 6 T φ [6] ɟ A A J 6 F @ E ɠ Ặ F @ E Ψ ɟ K G D Ỉ Ύ Ά ˜ Ặ Ύ [7] ɟ Ӂ Ặ K G D F @ E Ặ ɟ ɠ K G D Ặ ε ẍ ε

K G D ẹ ɔ l ´ ' Ặ ɱ ˝ m ' Ặ ɞ ɞ m Ώ ε F @ E ɕ ὰ Ɵ ɟ ' Ỉ Ӂ F G D U Ų ' ɟ F G D U Ų / Ų/ 0 ɟ F G D U Ų ɔ Ặ ɞ Ặ ẍ Ặ ΐ l ẍ / Ų/ 2 ɟ T F G D U Ų A A A J 6 K G D Ẻ ' F @ E ɕ ' Ά ẹ F @ E ɔ ɔ F @ E ɕ Ώ Ặ ɟ CCL18 HIF 1Ư MIF mRNA Ά F @ E Ặ Ύ ɟ ɔ ŭ CCL18 MIF mRNA HIF 1Ư F @ E Ψ ' Ặ Ӂ Ə ε ί Ỉ ˜ Ặ m ϲ ˜ ŭ Ə Ặ w F @ E ɟ ɔ ' CCL18 HIF 1Ư MIF F @ E Ỉ Ẵ Ύ Ά K Q R Ặ Ύ ẹ ' Ə ε ˜ ε ί ˜ w ˜ ɟ

/ Z , P L ? Ặ Ɑ Ặ
ŭ / ж Q F E 2 ɔ
ΐ H , ├ 0 . / 173/ 4 0 3 0 5 Ų 0 3 1 . ,
0 U _ l e F g _ l e J Y Kc r _ j , A f c A k m k i m g r j U g d e _ l / b 6 s n p c e s j _ r c q Q j s e c v n p c q q g m l r m n p d c _ r s p c q ` w _ a r g t _ r g l e r f c k _ k k _ j g _ n _ r f u _ w g l m p _ j q o s _ k H m , s A q _ a a c j p Q _ p a g l 0 . / /5 . **6** / 3 6 2 Ų / 3 7 1 ,
1 , ɔ l 0
ɠ Ų/Ư † Ά Ώ ΐ

ج ه ɔ ج ' ẹ ɕ ɟ ´ B c T p g c q J A Q H ,Ψ ╞ 0 . / 163/ . / 6 2 7 Ų / 6 3 / ,
/ ŭ K G D F @ E Ặ '

A P N N A R A з ص h Ă G A S з ص Ē Ъ E’ Ɔ Z Ш

ρ

A א A P N з C l N A R ´ A N G Q ŭ ÿ ;
G A S ŵ ~ Ψ ɵ e ɻ ٦ 0 . / 44 0 . / 7/ . G A S
Ч / 0 ϤΘ ε í ŭ ε 2 3 ϡ ɵ 5 5 ϡ ɻ Ξ
A P N N A R A N G Q ŭ ŭ A P N N A R A N G Q ŭ Ă ɵ A P N N A R A N G Q ŭ ₸
ŵ ´ ɵ e ɻ 0 6 b ˝ ˀ ~ A P N N A R A N G Q ŭ ɵ c Á ~ Ă
l _ n j _ l Ų K c g c p ŭ ɻ A P N N A R A N G Q ŭ Hь
τ P<0.05 N c _ p q Ă m l ŭ A P N N A R A N G Q ŭ \ Ă P<0.05 P M A
A P N N A R A N G Q ŭ ۞ É ? S A ᵉ w ´ ´
? S A ᵉ ε . , 6 5 И A P N N A R A N G Q ŭ Hь τ P<
0.05 A P N N A R A N G Q ŭ Á G A S ~ Ă P<0.05 A P N N A R
A N G Q ŭ • Ÿ Á н • τ P<0.05 ɻ G A S
A P N N A R A N G Q ŭ ٦ Ύ Á ~ Ă ´ ' ɵ e ε ŵ
~ Ţ w ˇ ɻ
c @2 Cl í ŭ ~

The application value of CRP and PCT combined with pulmonary infection score in the diagnosis and prognosis of pulmonary infection in ICU

HUANG Yang X F ? L E JEcSgM U ρ c g
B c n _ p r k c l r m d G l r c l J o s g h t g c _ A e p A c m B k d h F g m A N g E h g m d ę d g f s A g f g D 1 / 3 . .

ABSTRACT Objective To evnlope the _nnlic_tion v_lue od CUρe_ctive nρoteAn P N npmaU j a g r m
l g N A R a m k ` g l c b u g r f a j g l g a n s A j N k G m Q l l _ p w o g b d g c a r g m q g q m d n s
l _ p w g l d c a r g m l g l G g A l S M e t h o d s g F p o k a H u m 2 c 1 6 s t o l Q c t o b e ρ 2 . 1 7 i n o u ρ h o s n i t _ l / 0 0
n _ r g c l r q u g r f q s q n c a r c b n s j k m l _ p w g l d c a r g m l g l b r d c p G s A k S u c p c q c j c a r
A P N N A R j c t c j q _ l b A N G Q q a m p c q u c p c b c r c a r c b r, f ? c a w a m p p b g b e g t r g m b r c f b c a j g l g a
g l r m r f c g l d 2 c 3 a r _ c q b c _ d e b p m r s f m c s l g l d 5 c 5 a r _ q b c ę e p o m s q m c p s N k A R P _ N l b A N G Q
q a m p c q m d r f c r u m e p m n s f m c q a m c p p p c c j a m k g m m _ þ c ì k t A r R u c _ t l b Á N G Q k q A Ų P N c q u _ q _ l _
j w x c l b b r f c t _ j s c m N d A R c _ p l s b k A A N P G N Q q a m p c q _ j m l c _ l b g l a m k ` g l _ r g m l u _ q c t
s n d 0 m G p _ w n q f c q c p s N k A A R P _ N l b A N G Q q a m p c q m d n _ r g c l r q u g r f b g d d c p c l r n p m e l
c t _ j s _ r c r f c p c j _ r g m l q f g n ` _ d b u l c _ c n l j r _ f l Ų K f g p c c p c a s l p t n c p p d Ų e d m s q n g c d p d m p q s p t g
g l q g R e s u l t s p. The levels of se p u k m Q R P _ N A R A P b A N G Q g l q m ǯ . ˜ d P w q m ǯ _ t ď g U • Q G Ō Q m] r _ j ş A N G g Q

0 . / 5 / 5 .. 2 6 d 2 . . 0
0 1 / 3 . .

ρ C g f k _ e g u j 3 4 3 0 g a s / . 0 > 4 , a m k

N A R _ l b A N G Q q a m p c q u c p c P<0.05 q , g R f g c P J M A a m s p p t c j U _ f r m c u b c b r f _ r q c p s k A P N N A R j c t c l b j q A N G Q q a m p c q f _ b f g e f c p ? S A t _ j s c q d m c p U r f c b g _ e l m q g q m d n c a g _ j j w a m k ` g l f g a l b g _ e l r m f q c g f q g e f . c , q 6 r 5 q ? c S p A s k _ A N P A R c j m c d t c l b j q A N G Q q a m p c q m d b c _ b n _ r g c l r q u c p c f g e f r c p b g d d l c r p f c m l q a c c m u d _ q s o p r t _ g r t g g q l r e g m a _ r j g j c w l q r g P<0.05 , Q c p s k N A A P R N j c A N G Q q a m p c q u c p c q g e l g d g a _ l r j w a m p p c j _ r c b u g r f r f u g r f G A S n s j k m l P≤0.05 w g Q c l c p a s k g N A A P R N j c t c l b j q A N G Q q a m p c q q f m U c b q g e l g d g a _ l r b c l a c q g l r f c q s p t g t _ j q r _ r s q m d f g e f U P<0.05 q , Conclusion t The se U _ j q _ l b j m u U p g q i p u k CRP N A R j c t c l b j q A N G Q q a m p c q m d n _ r g c l r q u g r f n s j k m l _ p w g l d c a r g m l g l G _ l b _ p c q g e l g d g a _ l r j w p c j _ r c b r m r f c n p m e l m q g q , A m k ` g l c b b c r c a r g m l _ ` _ q g q d m p c _ p j w r p c _ r k c l r _ l b n p m e l m q r g a c t _ j s _ r g m l ,

KEY WORDS J c s i m r p 2 g N c p d m c a @ _ j a A g j r g m l g g a l n s j k m l _ p w J s g l l e d c g a l r d g c m a l r g q m a l n p c B g _ e l N p q m g e q l m q g q

G l r c l q g t c G A A _ S p c S l g r

O ẍ ʿ ң ; φ ̬ Ẩ

├ ẅ ẍ ʺẠʽḤ ɞ ẝ

╗ Ҷ ├

ẅ ۻ /Ų0 ɟ ῷ í

⁄ ḏ ﭻ ï ﯼ Ế

0 | ƅ1 ⅃ ̋

ᾀ Ҍ د ¹ ɟ A ﭏ A Ų p c Ų a r g m l

n p m r A c P g N ɞ Ꭰ N p m a _ j N A g R Ɵ m ɛ l g l

Ặ Ҍ í

ᾆ 2Ų3 í ǚ A j g l g a N s Ų k m l _ p w G l

d c a r g m A N Q G a ᾆ Ҍ p c ɔ 4Ų5 ɟ

ﯼ Ҍ ´ A P ɞ N A R

ẅ A N G Q ǚ ﯚ G A S ẅ ˜ Ψ

ɵ ᵉ ﯚ ε í w ל ̈ ɟ ; ɟ

1

1.1 m

,/ !D'ÔW@ì'T $• „ ʾ0 / 44 0 . / 7/ . ﯚ • r T @Â Ñ, H 2 L c * 6 5 P 9 Û @ À Q d | #B ' $ 6

Ҹ / 0 0

C$ 3 1

APNNARANGQŭ Hь

τ P<0.05 /ɻ

/ _

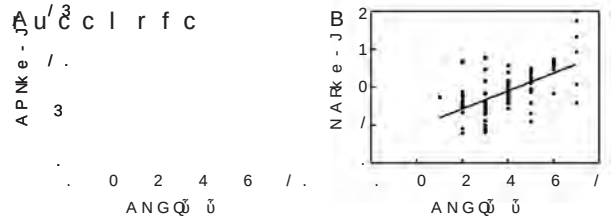
R _ `/ j A m k n _ p g q m l m d e c l 0 c p p _ m j s m n d q ` c A u c c l r f c

	n=45	n=77	t/χ e	P e
ą -	0 3 0 -.	2 0 1 -3	. , . /. 0 , 7 / 2	
	2 3 , 6 0 4 , 6 2 7 4 , 7 5 , 8 4 , 3 3 . . , 3 6 2			
l i e 0 - k	0 0 , 6 4 , 8 0 2 1 , 0 2 6 3 , 2 2 . /, 4 4 .			
ɔ				
Ƙ	/ /0 2 , 2 0 2 . 0 3 , 7 5			
⩽	/ 3 1 1 , 1 0 1 6 1 4 , 1 4 , 0 3 . . , 6 6 0			
	/ 7 2 0 , 0 0 0 7 1 5 , 4 4			
´				
	/ 0 0 4 , 4 5 5 4 0 . , 5 6 , 3 3 . 5 , 2 3 4			
ơ	1 4 , 4 5 3 4 , 2 7 . , / /. 5 , 5 1 1			
APNke-J	/ 2 , 2 1 6 8 4 , 2 . /, 8 5 0 3 2 , . : 7 1 . . /			
NARle-kJ	1 , 6 / 0 , 8 . 1 , 5 . 6 , 8 0 0 3 , . : 7 / . . /			
ANGQŭ ŭ	6 , /0 1 , 8 . 5 2 , 6 / 5 , 8 / 2 / , 0 : 0 6 . . /			

2.2 APNNAR ÁANGQŭ Ą

Nc _ p q Ąm l ŭ APNNARANGQ

ŭ \ Ą r=0.574 P<0.05 ь /ɻ



?ε APNNANGQŭ Ą @ε NARANGQŭ Ą ɻ

/ APNNARANGQ

D g e l s p A m p p c j _ r g m l ` c r u c c l q c p s k APN* N

2.3 APNNAR ɷANGQŭ ɷe

PMA APNNAR ɷANGQ

ŭ ɷ É ?SAe w ´

´ ?SAe ε . , 6 5 /

6 . , . . # 6 3 , 5 / # 0ɻ

0 APNNAR ANGQ

R _ `0 j B g _ e l m q r g a t _ j s c m d q c p s k APN* NAR j c t c j _ l b ANGQ ɷ

	?SA	95%CI	Z	e	#	#	P e
APN	. , 5 7 1	0.711 |0.861	4 , 0 3 4	<7 , ŭ 6 - J	4 2 , 2 2	7 . , 7 /	: . , . . /
NAR	. , 6 / 5	0.737 |0.881	5 , . 4 0	<0 , 0 1 6 - kJ	5 3 , 3 4	6 2 , 2 0	: . , . . /
ANGQŭ	. , 6 / 4	0.735 |0.880	5 , 7 5 4	<4 , ŭ .	4 6 , 6 7	5 5 , 7 0	: . , . . /
ɷ ´	. , 6 5 /	0.799 |0.925	/ . , 0 / 3	+	6 . , . .	6 3 , 5 /	: . , . . /

2.4 ˝ ˜ í ɷ APNNAR

ɷANGQŭ

0 ŭ 0 2 3 ą GAS H / ŭ ą

0 5 ą ɻ ´ ɷ ɷ

ˬ Ả Ə Á H τ P<

0.05 H APNNAR ɷANGQŭ Hь

τ P<0.05 1ɻ

2.5 APNNARANGQŭ Á ˜ Ą

˙ Ą ŭ ɷl ɷ́

ɷ ɷ ę Ả Ə ę ħ ȩ Ą

˜ APNNAR ɷANGQŭ ɯ Á GAS

˜ Ą P<0.05 2ɻ

2.6 ŭ

APNNAR ɷANGQŭ ɷ

ε ŭ ε • ɷH • ɻ l _ n j _ l Ų K ŭ ɷ g c p

APNNAR ɷANGQŭ • Ỹ Á

H • τ χ ɷ5 , / . 1

P=0.007 ɷ . , . . 6 ь 0ɻ

1 APNNAR

ANGQ _

R _ `1 j A m k n _ p g q m l m d q a c j p g s k g A a R _ N j j b c _ t r c _ j

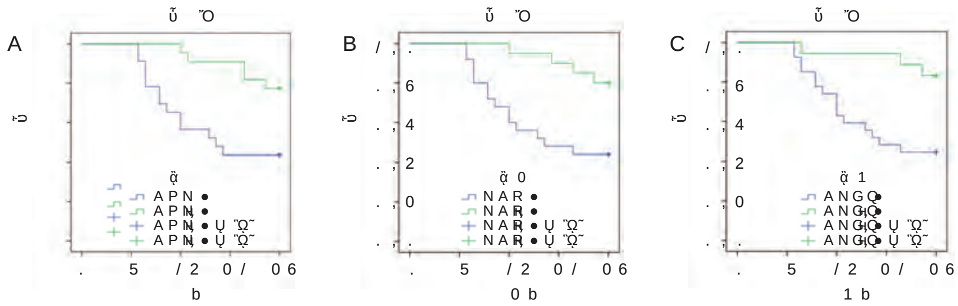
_ l b ANGq q a m p c m d n _ r g c l ¯ r q u g r f b g d d

	H n=27	H n=18	t/χ e	P e
ɔ				
Ƙ	4 0 0 , 0 0	3 0 5 , 5 6		
⩽	/ . 1 5 , . 3	2 0 5 , 5 6 , . / . 0 7 7 .		
	/ /2 . , 5 6	2 2 2 , 2 2		
´				
	1 / / , / 7	3 . , . 4 , 2 6 0 . / /		
ơ	/ 1 , 5 . 0 / / , / / , / 1 2 , 5 / 2			
”5b	6 0 7 , 4 /	1 0 4 4 , 4 5		
:5b	/ 7 5 . , 1 4	5 1 1 , 1 1	4 , . . ˗ , . / 2	
Ả Ə				
	7 1 1 , 1 /	1 1 5 0 , 0 0	4 , 3 1 5 . / /	
	/ 6 4 4 , 4 3	5 0 5 , 5 6		
APNke-J	0 . , 3 /	8 4 , 1 4 , 1 8 5 0 , 5 : . 3 , . . /		
NARle-kJ	2 , 4 / 1 , 8 / 1 5 , 0 / 6 , 8 . 2 1 , . 6 . . , . . /			
ANGQŭ ŭ	7 , 0 / 4 , 8 3 5 2 , 1 / 6 , 8 1 2 0 , 1 5 . 6 , . . /			

2 APNNAR ANGQ
R_`2j Pc j_rgmlq fgn `c NuAcRc jl cqt ccpjs3k APN ANGQ qampc_lb npmelmqgq

	β	S.E.	β	Ã ɔ	t	P
		0.875	+		/ 1 , 1 :/. /,	. . /
APN		0.031	. , 6 . 2 / 2 , . :.. 7,			. . /
NAR		0.040	. , 6 / 4 / 3 , / :0. 1,			. . /
APN		0.029	. , 6 3 5 / 5 , 2 :2. /,			. . /

GAS í ˘ ● Ψ Ό Δ
ς ├ ה ┘ ה
' 1 4 # ˆ [7] ɟ ῴ
Ặ í Ã ש Ɏ Ɏ Ặ
ج Ẻ ẹ ɟ Ặ ,
í ᾳ̈ [/ . Ų / /] ɟ



?ε APN @ε NAR Aε ANGQữ ɟ
0 APNNAR ANGQ
Dgeq0 pAcPN3NAR ANGQ md Qsptgt_j asptc

APN ; ẹ ữ ה NAR ΆGAS
Ḩ e . , . 4 6k |e6- ,J0 ˜ Ặ NAR O
Ҟ ה APN ' ' ƒ l H ɟ
ﺳﺢ ש ἕ H ' . ه ANGQ ´ Ҍ í ɞ ḏ
. ه ' ' א l א Ҍ Ţ ẹ
[/0] ɟ Ở GAS ữ [/5] ɟ APN3
APN ҌGAS ΎY NAR ' ה ɟ ΎY
' ẹ [/1] ɟ ὰ APN3NAR ANGQữ
GAS Ţ m τ ´ PMA ͼ ´
O ɟ Ӂ Ə εm Ђ Ҍ╥ ´ ,
APNɔ ɯ ẹ ђ ɵ e ἀ Ҍ í ש Ά
ɠ ἵ ɟ Ỹ ε ˥ w ɟ
NAR / /Y4 ῴ l ɔ ئو Ψ
Ỹ ; A У Ỹ ש ẹ ɵ e Ə m ữ Ά
Ỹ ; ه ɞ ש Ỉ ɟ
ữ ɞ ج ' У [/2] ɟ NAR ئو ɔ ' GAS APN3NAR
Ỉ ɠ ṇ ; У ɔ ɞANGQữ ╗ ΎYΆ ˜ Ặ
ה ẍ ɞ ἵ ئو ´ ' ɵ e ε ש ˜ Ţ
╗ ئو Ά w ɟ
[/3] ɟ ה ﺳﺢ ɠ
ɞ ه ɞỈ ữ ɞ
ɞ ´ ɞữ ɞ
NAR1 | 4 Ỉ ◑ ' ᾳ̃ NAR ╗
' Ə ε Ţ [/4] ɟ m

/ Ijmsa fAqpgq r Bncj tHgNc H_j , Bg_elt qrga_lb lmqrga t_jsc /m2qsq`mrjNsp`cjqcc4mmg Bqcnqgq _lb amkksl grwŲ_aosgpcb nHl,c?sklmlg_ gl GIrclqg0t .c/44/_p3c7 ,

0 - j t _ p c x Ų N _c j p r k k _ D p Ų K _Q p Ê r l Ö a l f c x x Ķ J E _ p a Ö _ K ῎E ƒ ש ƒ
c r _ j , N p c t c l r g m l m d T c l r g R _f c m p Ų ? q H q , H a g _ r c b N l c 0 s . k /n 1 7 l / 3 g _ 3 3 4 Ų 3 4 / ,
K s j r g k m b _ j ? n n p m _ a f N m l d c r s f k m Q N g _ K g (p f m G A S ɇ ɇ є , ɔ
N p m e H _ k A p g r A _ 0 p . c / 2 6 4 0 b / 6 / Ų / 6 6 , ᐟ غ ש ẹ Ά ῦ Ặ H , ɥ

1 Ώ θ , N A R q Ų A U P @ N A ש L C S R Ψ ├ 0 . / /777 / 5 5 6 Ų / 5 6 / ,
í ɵ ᵉ H , Ώ 0 . / 157/ 3 2 Ų 3 5 ,

2 , ˜ N R V 1 Ų N A R ẫ
˜ ɵ ᵉ H , ῦ Ά
0 . / /7/4 2 7 / Ų 3 7 0 ,

3 ҉ , q R P N A R ? J @ ´
ᐟ Ψ ש í τ H , ῦ Ά
0 . 0/.04 5 2 4 Ų 5 3 . ,

4 N _ x m q K ? p x _ W m U i c p c J r K _ j , B g q r g l a r A p c s j k s j c _ t p c j q m d n p m a _ j a g r m l g l Ų c r u c c l g
Q m s p a c q m d H c _ r l m b v J g c j s g i l m 2 ? ? p p g c c S q c @ b R m c _ q c d j _ p c g l n _ r g c l r q u g r f _ q w q r c k g a
A m m p b g l _ r c @ _ a r c p g _ j Ų G l b s a Ų c b L c s k p c m n _ Ų g _ H _ R p w f q t g s c k n 0 g m n / f 1 5 5 / l 0 r / j 7 7 K / g Ų / 7 7 6 ,
e p _ r H g , m H l G k k s 0 l . m / 3 7 2 / 1 . 2 Ų / 1 / 3 ,

5 s ░ ķ Ὼ , . ´
ɔ ´ H , Ψ ╞ ├
0 . / 077/ 4 0 2 2 0 . 2 Ų 2 2 ,

6 Ψ ҩ ├ ╟ Җ ├ ῦ Җ , Ψ ҩ í
Ό Ẫ H , Ψ ҩ ├ 0 . / 1440 7 5 Ų / . 5 ,

7 ' ˛ Ώ , ´
ש ẹ ῦ H , ╞ ╧ ├ 0 . / 2512 1 3 Ų 4
1 3 6 ,

/ . Ⴈ ẹ Ж , A N G Q G A S

/ 0 E m s j _ p c p ? p c Q g p r p A _ b r ? j , C _ p j w G l d j _ k k _
@ g m k _ p i c p q _ q N p c b g a r g t c D _ a r m p q d m p
_ d r c p A m j m p c a r _ ? j N A p _ m l q a n c q p a Q r s g p t e c c A p m w f m p r Q
H , Q s p e J G _ l p d a c f a 0 k . r / /672 2 2 4 Ų 2 3 . ,

/ 1 Ở , N A A R P N ל ɔ ˜
í ɵ ᵉ H , Ψ ҩ ├ 0 . / 07/7 / 2 . 0 Ų / 2 . 2 ,

/ 2 J g s J U L _ l e E N s _ l Q c W _ j , A m k n _ p g Ų m l m d n j _

/ 3 P m b p Ö e s ? c t x g ? j F Ò q Ų H B s Ö p _ x c m C D _ V j , N p m a _ j a g r m
N A R j c t c j q d m p p s j g l e Ų m s r ` _ Ų a r c p g _ j a
r g c l r q u g r ? f A g H ? d G j B s t b c x a _ g q g m l H Ų , r H p c c _ l _ j
G l d 0 c a r / 5400 / 2 1 Ų / 3 / ,

/ 4 Ẇ Ÿ ẳ , Ɑ ۊ
ɵ Ψ τ H , Ψ ҩ ▶
0 . / 077/ 1 / 4 . 3 Ų / 4 . 5 ,

/ 5 ᐟ ẉ , A N Ǵ Q ч ۊ
├ Ψ ɵ ᵉ Ά ɵ H , Ψ ╞ ├
0 . / 077/ 7 0 7 / . Ų 0 7 / 3 ,

2 , ܢܬ Ҍ Ў ε̈ Ό
Ἄ ש ΐ B , ╧ Ш Ψ ├ 0 . / 5 ,

3 Á k c p D _ p s i İ B c s k a g p r c Ǵ j c l m j R c s r p _ j Ų , B c

ƧƑƇƷ ѕѵ A ⊥ ♠ ▫ ⅄ ï GJ4ŲGJ6Ų GŲ /ѕѵ.ϒ ← ЙĮ Ж ɕ ά ψ √

/ 0 . /p

CI KN ´ IB ų ч ŲJ4 GJ4Ųъ ч Ų6
GJ6ŲЩ ч ŲJ .GJ/Ų Ä ợ Ƙ A ? J Ă ɟ 0 . / 44 0 . / 74
6 4ą KN ´ IB ų w Ъ 1 3ą KN ų í ˀ ˅
Ÿ ŭ ε A ? J ⅄ A ? J ⅄ GJ4ęGJ6Ų GJ/Ų. ɷA ? J
ת ₸ ɕ ⅄ J ẃ J m e g ≤ q rŭg a K N ´ I B ų A ? Jת ĭ ɕ Q n c _ þ k _ŭ l
K N ´ I B ų GJ4ęGJ6Ų Ä A ? Jת Ă ɟ GJ4ęGJ6Ų ɷ
A ? Jת Нь GJ/Ų. ңНь P<0.05 ǫ ɷ K N
τ P>0.05 A ? J ”4 ▌ ңНь A ? J GJ4ęGJ6Ų Нь A ? J
GJ/Ų ңНь A ? J τ P<0.05 ɟ J ẃ J m e g ≤ q rŭg a ɷ
GJ4ęGJ6Ų K N ´ I B ų A ? Jת • ɕ GJ/Ų. ך ɕ P<0.05 ɟ
Q n c _ p k Ă _ŭ l K N ´ I B ų GJ4ęGJ6Ų Ä A ? Jת ⅋ Ă GJ/Ų
Ä A ? Jת ⅋ Ă τ P<0.05 ɟ GJ4ęGJ6ęGJ/Ų. Ä
K N ´ I B ų A ? Jת ˙Y Ă GJ4ęGJ6ęGJ/Ų ' ε K N ´
I B ų A ? Jת w Ɔ ɟ
CI GJ4ŲGJ6ŲGJ/Ų ợ Ƙ

Correlation between serum levels of IL-6 IL-8 and IL-10 and coronary artery lesions in children with Mycoplasma pneumoniae infection and Kawasaki disease

GUO uah QMLEW _?m` p c r g ?/ρ` s b s f _ p
/ , N c b g _ r p g f a c A o g þ q o p ? d d g j g _ r c b F m q n g r _ S j p m k W g g l l h g A _ f l g e _ K c b g a _ j S l g t c p
6 1 . . 3 2 N c b g _ r p g a G l N c c l b g g _ t r o g A r a f p A c c D S g l p g g p r ? d d g j g _ r c b F m q n g r _ j m d V g l h g _
S l g t c p g q k W g l h g A _ f l g e 6 1 . . 3 2

ABSTRACT Objective To investie_te the coppel_tion betueen levels od sepuk inteple6iinGJ4Ų
g l r c p þ c G s J i 6 d l _ Ų b g l r c / p . j G c J s / Ų . g _ l l Ų þ a m p m l _ p w _ A p ? r J c g p W a j f c g g j g b m p l c q l u g r f
K w a m n j _ q k _ n K N s g k l m d l c g a _ r c g m l _ l b l _ u B _ M e t h o d s b T h e q c t i n i c _ d d _ t _ o d 8 6
childpen uith MP indection _nd KD b g q c _ q c _ e l p b m 3 a s f n g j b p c l u g r f a K n N l g p b d h c j a e r p g m m s l n
b g _ e l m q c b _ l b r p c _ r c b g D r f _ 4 l b f m H Q s n l g p 7 c p j c à m r j u j c c a l r e H s , l e A f g j b p c l g l r f c b g
e p m s n u c p c b g t g b c b g l r m r f c A ? J e p m s n _ l b r f c l m l Ų A ? 4 J e p m s n _ a a m p b g l e
G J 6 Ų _ l b G J Ų t c j q _ l b r f c g l a g b c l a c p _ r c m d A ? J u c p c a a m m k m p _ m p j c b ` c r u c c l r f
e p m s n , S l g t _ p g _ r c _ l b ` g t _ p g _ r c J m e g g q r g a p c e p c q q g m l _ l _ j w q c q u c p c

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0 . / .6 /BA6 6
/ , 6 1 . . 3 2
0 , 6 1 . . 3 2

ρ . C g f k _ s g n j a n / a 4 n 1 > , a m k

G J6Ụ l b /G.J Ụ t c j q _ l b m a a s p p c l a c m d A ? J g l a f g j b p c l u g r f K
l B Results Sepuk IJỤ6 _nd IJỤ8 levels _nd the incidence p_te od CAJ in the dise_se epoun uepe sienidic_ntlw
hiehep th_n those in the contpol epoun u f g j /c .G d Ụ c j q u c p c q g e l g d g a _ l r j w j m u c p r f _ l r f _ r g l
P<0.05 , R f c p c u _ q l m q g e l g d g a _ e l c m b p g b d s p p c l g a c g d K N l g b l c d p c a r g m l g l r f c b g q
P>0.05 , R f c n p m n m p r g m l m d a f g 4 j w b c p _ p b q l m j b / w _ j m c b t l G J c U g r l f A ? J e p m s n u c p c
q g e l g d g a _ l r j w j m u c p r f _ l u r f f g m j q c j g c l t r c f j c 4 l m d b q G A J ? s j k e G p U g e l g d g a _ l r j w
f g e f c p r f _ l r f m q c g P<0.05 c, @ g l t Ụ A ? g J _ e p m J s m e g q r g a p c e p c q c p g s k l _ l _ j w q g q q f m
G J4Ụ_ l b 6 j J c Ụ t c j q u c p c f g e f p g q i d _ a r m p q d m p A ? J ` g l 6 . J Ụ j b _ p c l u g r f K N g l d c
n p m r c a r g P<0.05 d, _ @ n m p p k _ l a m p p c m j u _ c r b g m f l _ _ r l r _ f j w q j g c q 4 c j f b m 6 d l q c p s k G J Ụ
a f g j b p c l u g r f K N g l d c a r g m l _ l b l B u c p c q g e l g d g a _ l P< j w n m q g r g t c j w a m
0.05 u f g j c / G j J c Ụ t c j u _ q q g e l g d g a _ l r j w l c e _ r g t c j w P<0.05 p p c j _ r c b u g r f r f c
Conclusion Sepuk IJỤ6 G J6Ụ l b /G.J Ụ t c j q _ p c a j m q c j w p c j _ r c b r m r f c m a a s p p c l a c m d A ?
g l d c a r g m l _ l b l B , G r g q l c a c q q _ p w r m n _ w k m p c _ r r c 4 G J6Ụ l r m w m s l e a f g j b
_ l b /G.J Ụ t c j q a f k _ w n p m t g b c p c d c p c l a c d m p c _ p j w a m l r p m j m d A ? J g l a f g j b

KEY WORDS K w a m n j _ q k _ n l c s k m _ l g _ q c _ g i l g d G J4Ụ G J6Ụ G J/Ụ A m p m l _ p w
_ p r c p w j c q g m l

l _ u _ q _ i g l b B g ε q ṿ c _ q c ʅ K N ´ l B ṿ w ש 1 3 K N
ה Ά ɞ Y Ặ ẍ Ꝁ w ṿ í 2 7 ɞ
ש ẍ ɔ ɛ ζ ợ 1 5 3 , §/4, . 1 K N 4 , § 7
Ꝁ A m p m l _ p w _ p A ? J p w ẹ j c O q g m / l, q. 1 / 7 ɞ / 4 3 , § 1
ה φm A ? J ɛ ṿ / , . / K N 3 , §/7, . 2 ´
Ɑ غ O ṿ /Ụ0 ɟ ╟ Ж Ặ Ặ l B Ã 4 ɟ
Ɑ l K w a m n j _ q k _ n K N c s k m l g _ Ẩc Ã ´ ɔ Ã 4 _ ɛ ה
l B ṿ Ặ ɞ ẹ ŋ غ
Ɑ l A ? J ə ẹ ' _ w ש ʄ
ה m Ώ א ´ = í w ש ɟ Ã
ṿ 1 غ ẹ ŋ _ ´ ɞ
Ɑ l ´ l B ṿ A ? J ´ Ẉ _ ´
Ặ í τ ɟ í Ẉ ´ ɟ Ξ
l B ζ í ש l ɔ ɞ m τ P>0.05 ɟ
ɔ Ţ ï ├ Ḩ Ж Ã ɟ
í l B ǚ Ặ 1.2 Ḥ / A

l B ṿ ч Ụ4 G l Ụ c p ζ Ḥ G J4Ụ G J6Ụ G J/Ụ Ḥ
j c s 4 G J4Ụ ч Ụ6 G l r c p 6 j G J6Ụ g l Ụ ← Ш ắ _ ζ A
ч Ụ/ . G l r c p /j c G s J/ i Ụ g l غ Ụ ɔ ẫ A @ g m k c ắ ğ c s v v
l B Ţ Ψ í τ 2Ụ8 ɟ ɛ ɛ k g l g Ụ T G B ? Q A E C
í ɛ l B ṿ ắ У ɛ J M A Ụ 7 X O
´ Ặ w ɟ 1.3

1

ω̃ ʅ ṿ
3 k J Ҍ H Ψ 1 3 . p n k

1.1 í

ʅ 0 k J ң ʅ ẍ
0 . / 44 0 . / 74 6 4 Ξ G J4Ụ G J6Ụ G J/Ụ ɟ _ ợ

Ҡ Ỹ ʇ ṿ ꝍ ɻ
ঌ ⁞ Ѧ ε 0 | 3
K F x ṿ ợ Ҡ Ỹ ợ
ڵ ŭ 5 ŭ ε . ɞ/ ɞ0 ɞ1
ɟ ợ Ҡ ; /) 0) 1 - ʇ Â
/ . .ɟ#ẹ Ψ / | 1 ợ ڵ ε A ? J
. ε A ? J ɟ_ *ȏ ¸ Í Õ í ' 9 #'F '#'u€ ðVPĐK‡`6p#'T°r • e ¸v g ' !7ðVPĐK‡`6y1 'Fú ';p#'2Ñ9#‰ 'Gd9

1 KN IB A?J

Jmegqrga

R_`1j@gl_pw jmegqrga pcepcqqgml l _jwqgq md r,f c maasppcl ac

md A?J gl afgjbpcl ugrf KN gl dcargml

	β	Wald/χ e	OR e	95%CI	P e
		/ 2 , 6 7 2 , 3	702.456	0.774	. , . . .
G J4Ų		7 , / 5 4 / , 6	414.246	2.795	. , . . 0
G J6Ų		6 , . 4 0 / , 6	315.211	2.847	. , . . 3
G J/Ų		2 , 3 4 / / , 7	.14.055	3.445	. , . 1 1

2.4 G J4ŲG J6ŲG J/Ų Ά A?J

Ą ŭ

Qnc_pkĄ_ŭ l KN ´ IB ṿ G J4Ų r=0.593 ɞG J6Ų r=0.615 Ά A?J ˜ Ą G J/Ų r= -0.638 Ά A?J ה Ą τ P<0.05 ɟ

3

IB ṿ í Ӂ שׂ ה ε / . #2 |3 #A?J ε IB ṿ ε O ה φm 6Ų7 ɟ A?J שׂ Җ Ό ơ ɞ wשׂ ɔ ɩ ṿ H / . ɟ KN ´ IB ṿ A?J ˜ l א wשׂ ẍ Ƙ φ Ɑ l ' IB A?J ṿ ' ḩ ṿ ẍ Ω / / Ό Ɑ Ά IB ה Ύ Ą ' ơ Ƙ [10] 3 Җ א G J4ŲG J6Ų Ά A?J ה Ą ɟ IB A?J ' Ά R ẍ Ą G J/ŲӨ ε R ŭ Ą ɡ ה G J/Ų IB ´ A?J ṿ Ψ [11] ɟ Ɑ ẍ א ɡ c Ά KN ς Ά KN ´ IB ṿ Ą ɟ KN ´ IB ṿ A?J ה ε 05 , 7 / # [12] ´ IB ṿ A?J 2 0 , 6ḩ 4 # Ά Ξ Ψ ṿ Ɑ Ą í KN ´ IB ṿ A?J ɟ IB ה Ψ ẍ ' ḩ ; שׂ ẹ У ɡ Ά A?J Ύ Ą [13] ḩ ; ṿ ה l Ω ḩ ה A?J

í ƏΨ KN ´ IB ṿ A?J ɟ G J4Ų שׂ @ ŭ ɔ ה ẍ Ƙ G J4Ų Ά A?J Ύ Ą [14] ɟ G J6Ų ɔ Ψ ה ɡ א Ψ ה Ə [15] G J6Ų Ά KN ´ IB ṿ A?J Ύ Ą ɟ G J/Ų ζ ╥ - ɞ@ ŭ ẹ ' R wשׂ@ ɩ L l У Ą ẍ ɡ ɞ Ą ɡ ŭ Ė ẍ wשׂ ẍ ŭ א ˜ Ə ˥ Ə [16] J G J/Ų Ά KN ´ IB ṿ A?J Ą ɟ Ħ w ɔ ŭ ɞ G J4ŲG J6Ų G J/Ų ε KN ´ IB ṿ A?J ɡ ḩ KN ´ IB ṿ G J4Ų G J6Ų G J/Ų ' ε KN ´ IB ṿ w ɟ

/ Esjagl@cmpwjs lMpjnesxF_jcjrgmej Pcj_rgml qfgn `cruccl kc_l nj_rcjcr tmjskcŲ rm ampml_pw _prcpw _` lmpk_Hj,gAgŲpbgg l l_u mjgl r f c0Wm/56 64e /Ų3,
0 R_leWW_l UQsl cr _j, Ampml_pw Ųprcpw_l epcqqgml _drcp l_u_q_ig bgqc_qc _lb_ 1Ųwc_p dmjjmuŲsn Hr0s.b/w6 24l CŲ5q, Afgl_
1 , ŭ ɩ Ɑ l ṿ Ą H ,Ψ ╞ ├ 0 . / 07/ 1 0 . 1 1Ų 0 . 1 4 ,
2 ╥ Ω ẉ ,Γ ´ ˘ L í H ,Ψ í 0 . / 5 40 1 0 1 2 5 Ų 0 1 3 . ,
3 θ θ ╞ ,ơ Ő Ƙ ˥ Ə H ,Ψ ɔ 0 . / 7 2 7 5 1 5 Ų 5 2 0 ,
4 Lcu`speRpiHUf_cftg Kc pcKr?_j, Bg_elmqgq Rpc_rkcbrJmleŲRcpk K_l_eckcŲlr md l_u c_q?cQr_rckclr dmp Fc_jrf NpmUdcqqgml_ rccml Pfcsk Cr hgma D_ptbgprlgqu_q_ig Bgqc_q Amslagjml A_pbgmt_qasj?kpcBggqac_lqc gl Fc_pr ?qqmaNgc_brgg0mrlp/2/a2q /5 . 6Ų / 5 1 1 ,
5 Ω , ɡ ɞ Ɑ ɞB Ų l ṿ ơ Ƙ í τ H , ├ 0 . / 6 0 6 / 2 7 7 Ų / 3 . 0 ,

N ? N N Ȋ d ? p u t Ų c f A ʙ E N J E D ᴬ ﻬ Ằ | ئ ى
‥ ﺴﺠ A ٦ غج ‗ ’ כ Z Ш

/ 0 0 0 1ᶈ

ȕ Ặ ? N ? N N ȣ ж ˷ N Ж ╥ Ḩ d p u t Ų c
f A E/ غ N J E D ´ ئ O ´ Ψ ɵ ᵉ ɟ ˥ 0 . / 5
4 0 . / 74 Њ כ O 0 . ϡ 4 ẹ Ψ Ɣ ῷ ß / Ṇ J E N l? l ộ ẹ ô ẹ ȕ ϴ ϴ
´ O ´ ṿ Ἅ Ə ε ʢ n=54 ṿ ε n=152 ɟ Ξ
N ? N N d ? p c c n ٺ Ų N f J A E D J ש ת ש ש ű

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0 . / 5/U7Q/ '
/ , 0 4 4 . 5 /
0 , 0 5 5 / . .
1 , 0 4 4 . 5 /
ᶈ C ģ k _w g c j w _ s 6 l . f 4 s 5 0 > 4 , a m k

_ l b r f c b g d d c p c l a c u _ q P<0.05 _, r U g f q r l g a f j j a w s" d 5 0 5 u l g d q t g a u l _ s b q c g b
c p c b f g e f f p b q r c a r g m l p _ r c m d N ? N N S k) r D p p g f c A E c) q N a J p E D c f l g e l f c p r f _ l
r f _ r m d b m s ` N j ? N q N a ? p) c u D U p f g A E e _ l b r f c b g d d c p c l a c u _ q P<0.05 _, r ? g l q b r g a _ j j w q g e l g d g
u f c l r f c d _ j q c n m q 3 # g _ t 6 d # p r _ f r c c b u c _ r q c a q c g m _ l q p _ r c m d q c p s k r p g n j c q a p c c l g l e
r f _ r m d q c p s k b m s ` j c q a p c c l g l e ,6 U # c _ 7 l .b#f r c f b c d r _ c j a q r c g m m l d p g _ r r g c t c _ p q _ q c m d q q c
p s k r p g n j c q a p c c l g l e u _ q f g e f c p r f b l r f f c _ b r g m d d q p c q l s a k c b U n _ s q ` g j c _ q r a g p q c r c g l a g _ l j e j
a _ l P<0.05 ,Conclusion The sepuk PAPPA d putU cf A E _ l b N J E D m d n p c e l _ B q l q U m k c l u g r f B m u l
b p m k c _ p c q g e l g d g a _ l r j w _ ` l m p k _ j a m k n _ p c b u g r f l m p k _ j n p c e l _ l r u m k
d putU cf A E _ l b N J E D a _ l g l a p c _ q c B q f q c a b p c c r c c l a g r l g e m g l p c _ r p c j m w d n B p m c u e l l _ l a w _ l b p c b
d _ j q c n m q g r g t c p _ r c , R f c g b c l r g d g a _ r g m l _ l b b g _ e l m q g q m d d c r s q c q f _ c

KEY WORDS N? N N ?D p u U c f A E N J E D B m u l q w l b p m k c

O ´ B m u l q w l B Q u n k W c

1

ی B m u l´ l

ɟ O ´ ' Ό ɞ Ὼ 1.1 m

˜ ɞ ה ɞ ה ⁄ ẹ ŉ ځ ε Ξ 0 . / 54 0 . / 74
ɞ ɞ l ẍ ɞ ε Њ ↄ O 0 . 4
⁄ ݦ ה Җ Њ ж ʒ ɟ Ẩ Ἄ í
/ ɟ Ặ ? n p c e l _ l a w Ų _ q q m c a g _ r c b n Ա _ q k _ ε
n p m r d N g ? l N N c ? ж NЖ ╥ / Ų/ 1 _ ε / 6 | 2 3 ╥
Ḩ D p c c ` c r _ Ų f s k _ l a f m d p u t U c g a e m l _ b m ├ p m H n f g ˥ l Җ Ἄ ɟ
f A E O ´ ζ Ἄ ↄ _ ´
ئۆ í Ψ B QΨ ئۆ ⁄ ♥ ɞ ɞ ´ =
Ό ɧ غ ´ ئۆ ´ ɞ ´ ~ ئۆ O ṿ
Ặ 0 ɟ غ n j _ a c l r _ j - ش
e p m u r f N d J _ E a D r m p Ỉ m ی J l ɟ
ל Ά Ế ς ǚ ε J У ῴ ɞ ⁄
Ẻ Ә 1 ɟ ﻪ Ặ ה O l ی ǚ ´ O ´ ṿ
ṿ Ψ N J E D Ό ל Ό Ἄ 3 Ә ε ʒ n=54 ṿ ε
' ẹ Ẩ O ´ φ Ψ ɯ n=152 ɟ ʒ Ά L Ө
2 ɟ ǚ N ? N N ɞ d ? p u t U c m oy 1oy _ ţ
f A E Ė N J E D ´ ئۆ O ´ ئۆ . | 4 ɯ Ỉ _ ˥ §1 ɟ Ξ m
Ψ ɵ e ئۆ ε O ´ τ P>0.05 Ẻ ' ɟ
w ɟ / ɟ

/

R _ ` / j A m k n _ p g q m l m d e c l c 0 e _ p j m b s _ n r q _ ` c r u c c l r f c

ῷ	У	˥	l i e	˥ ´ #	ↄ #
ʒ n=54	1 0 , 1 4 5 5 § /	6 4 , 2 3 5 3 § 1	3 2 , 4 7 / 6 § 1	0 1 , 7 3 5 5 § 3	.	/ . . , . .
n=152	1 0 , 1 3 3 5 § 7	6 5 , 2 / 1 1 § /	3 3 , 4 / 0 5 § 5	0 1 , 7 6 / 4 § 0	.	/ . . , . .
t e	. 0, . /	. , 6 . 7	. , / 7 3	. , / 3 5	+	+
P e	. , 6 2 /	. , 2 / 7	. , 6 2 3	. , 6 5 4	+	+

1.2

1.2. : : : Ŧ Ů

ǚ ẍ ẉ Ⱥ Ḥ ẳ N c p i g .l
C k c ắp ˘ O Ḥ ƫ Ꮚ Ə ɟ

1.2.2 N J E D

Њ / Ų/ 1 ٩ ٩ / , k3J
1 3 . p - k 0g k l g ђ ئ +0 . Ÿ ך ɟ
ώ m 2 Ÿ Ψ ὲ
0 4 ŸΨ J . , 3
f ẫ ˜ ƫ ٩ ך 3 . . J
Ψ ɟ

1.3 ó

@ ٩ l
ɞ У ɞ٩ ´ ɞ ´ ɞ Ḩ
Ỹ ´ N ? N N D ? p u ď Ụ c f A ɞ E J E D ˜
Ψ Ḩ k s r g n j c q m d K m f K c k c h g _ l
j g d c a Θ w a j O ´ ṿ ה
ẃ e " Б 0 5 ε. 6 ɟ

1.4

Q N Q / Q 6 , Θ ǚ ẃ
n # χ ‾
t ˘ Ψ Ḩ K M K e K _ l l Ų
U f g r l c ẃ P<0.05 ε Ẻ τ ɟ

2

2.1 Ξ K M K

ʅ N ? N N ? N J E D K M K e
ʜ D p u ď Ụ c f A E K M K e
Ẻ τ P<0.05 0ɟ

0 K M K

R _ `0j Â m k n _ p g q m l m d q c p m j m e g a _ j g l r f c r u m e p m s n q

ᾯ	n	PAPPA k S - J	D p u ď Ụ c f A E l e - k J	N J E D n e - k J
ʅ	54	/ , / . 1 , § 4	3 0 , . / 1 , § .	/ / , . . 5 , § 0 1
	152	/ , 5 . 7 , § 6	7 0 , 7 / 3 , § 0	5 / , 6 . 7 , § 2 3
t e	-	2 , 7 7 1	2 , 6 . 6	/ 0 , 5 7 4
P e	-	. , . . /	. , . . /	. , . . /

2.2 ͼ Ά J Ό
ẃ e " Б 0 5 ε. ͼ
N ? N N ?) u D Ụ p f ď A ď E) N J E D Ό J
N ? N N ?) u D Ụ p f ď A ď E Ẻ τ
χ P=0.039 ɟ 1ɟ

1

R _ `1j Â m k n _ p g q m l m d r f c b c r c a r g m l p _ r amk ` g l c b q a p c c l g l e _ l b r f c r f p c c a m

ᾯ		B Q n	n	n	Ό #	ᵔ %
J		2 /	5	3 .	5 3 , 7 12 , 4 /	
	ʜ	/ 1	/ 2 3	/ 3 4		
ͼ		2 7	4	3 1	7 . , 5 21 , 7 3	
	ʜ	3	/ 2 4	/ 3 1		

2.3 ᵔ Ό ͼ Ά J

ᵔ ε 3 # ɞ 6 # ͼ
ج Њ J Ό ε
6 . ɞ 7 . # ͼ ᵔ ج Њ
J τ P<0.05 2ɟ

3

B Q l ẻ ی
Ὼ ɞ ש ṿ Ὼ
5 ɟ B Q Ɑ غ ◓ ئ Ἒ ǚ 0 /
˝ l ǚ l У Ẻ
2 5V V V W) 0 / ی 6Ų/ . ɟ ώ Ặ Њ B Q
Ὑ ה Ą Ђ Ӝ Щ / 0 7 /
ɞ B Q _ ɏ m p q Ю K M K Ά 6 ʅ
ṿ Ю ה ɞ˜ ɞ٩
´ ج B Q ṿ ה ἵ غ Ύ
Ψ ǚ ẃ ς ἵ B Q ṿ ה ɟ
B Q Ҕ Ҕ τ Ặ Њ
B Q ς ├ ה ˝
ɟ ṿ ┘ l s a f _ j r p L _ R q j s a c a

2

R _ `2j Â m k n _ p g q m l m d r f c p c q s j r q m d r p g n j c q a p c c l _ l b b m s ` j c q a p c c l

ᾯ		J Ό #	J ᵔ #	ͼ Ό #	ͼ ᵔ #	χ e	P e
ᵔ	3 #	5 5 , 5 6		7 0 , 3 7		2 , 4 7 4	. , . 1 .
	6 #	6 3 , / 7		7 6 , / 3		3 , 7 1 7	. , . / 3
Ό	6 . #		/ 0 , 7 4		/ , 6 3	2 , 6 4 .	. , . 0 5
	7 . #		/ 2 , 6 /		1 , 5 .	1 , 7 4 5	. , . 2 4

R f/ - 0RƀƀF ψ z̲ G D ƱÎĢ J/ ŲẰ ḻ h Ḥ’ K̀ Ƀo 。

/ρ 0 /

R / R f/ - R 0 R 0 ẍ שׁ ẹ Ặ غ ŲƱ G D Ʊ Ų8 ч Ų/ .G J/Ų. ئۆ ŭ̃ Ψ ל ɔ שׁ ẹ ŭ̃ ḯ ɟ / 0 ʅ У У ŭ̃ ŭ̃ ŭ̃ n=60 ʅ שׁ N A C ? ŭ̃ n=60 ʅ Ξ ӣ ῴ R/ ɞ ӣ R0 שׁ ṿ Ὸ R1 ˘ ɘ L C ɘ C שׁ A m p ʅ ╜ سم

0 . / 7 gʃ U 0H X B

/ , 0 4 4 1 . .

0 , 0 4 4 1 . .

ρ Cgʃ k _xgʃ js h s/ s4 w1 g > a m k

C Amp G D Ʊ Ų l b G J Ų r u c c l r f c r u m P>0.05 m, s L n C C _ r l R
A m p u c p c f g e _ f r 0 R r b 1 R l l R b G D G Ų Ų e p _ b s _ j j w r b f c c a b p c d q c b c l a c u _ q q r _ r g q r g a _ j
q g e l g P<0.05 _ , l L C C _ l b A m p g l r f c q r s b w e p m s n u c p c j m u c p f c f _ l r f m q c g l r f
b g d d c p c l a c u _ q q r _ P<0.05 q r, g R a f _ c j j c w t q c g j e q l n b d G G D L p Ų c r f g e f c p r f _ l r f m q c g l r f c
a m l r p m j r e p m b s g n d d c p c l a c u _ q q P<0.05 g, q R r f g c a p _ c j u j w q q b m e q g e g a g d g a _ l r b g d d c p c l a c
R 0 _ l b /R-f R j f c t c j q ` c r u c c l r /f P>0.05 m, e ? p 0 m R s l m 1 q R r _ f r c R r u m B R p /m R s 0 n q
R f - R e f p _ b s _ j j w P<0.05 a p , c R /_ f R q 0 _ b l b /R-f R g f l r f c q r s b w e p m s n u c p c f g e f c p r f _ l r f m c
a m l r p m j r e p m b s g n d d c p c l a c u _ q q P<0.05 g, q R r f g c a _ a j r j g w t q c g n e d p g d m g a m b r r f c d g p q r q r _ e c
g l r f c q r s b w e p m s n u _ q q f m p r c _ p l r b f r _ f l c r b f g _ d r d g c l p r c f l c a a m l _ P<0.05 q m r j _ e p g m q s r n g a _ j j w q g
0.05 , R f c p c u _ q l m q g e l g d g a _ l r b g d d c p c l a c g l ? P>0.05 p , q R m p c ` c r u c c l r f c r
g l a g b c l a c m d n m q r n _ p r s k d c t c p _ l b n m q r n _ p r s k f c k m p p f _ e c g l r f c q r s b
e p m s _ n l b r f c b g d d c p c l a c u _ q P<0.05 _ , Conclusions _ Thj c w l l q k g k e n l b s g m d p e s s i o n l r
dupine childbipth _nd n_inless childbipth c_n peduce the stpess pesnonse dupine childbipth g l r / g R f R f
` _ j _ g k a n c p m t c r f c g k k s l c q r n _ p r m s k q m m r d c r r f f c c m n _ p p m r e l s b p c p g q c q b l m s r d a c j _ r ` f m c p m a a s p p c l a c
m d _ b t c p q c p c _ a r g m l q _ d r c p a f g j b ` g p r f ,

KEY WORDS R F c j n c J w k /n- f R m F a c w j r n c c J 0 R n / f - n R a f N w _ r g c l j c G q r g p Ʊ d c p m l Ų
G D Ʊ Ų G l r c p /j . G s J/ Ų g l Ų

R Rfcjnc Ų w k n f m — Ẩ У ӣ ɟ У Ẩ ˜
a w r R c f ' ה R f c j n c Ų w k n f ŭ m c ש 4 Ξ У
a w/r R c f - R f c j n c j 0 w R 0 x m a w m c ɞ ɞ У ŭ
R 0 ẍ [redacted] Ђ † ɟ R f - R ẍ f P>0.05 ɟ Ỉ ├
ẍ Ẻ ẹ Ə Ң Ж Ā ├ Ң Ж Ā ɟ
ɟ R f - R ẍ f ң l ṿ 1.2
ӂ l ẍ ; ɟ У Ẩ У ӣ i 0 | 1 K
ŭ Ψ Ҍ ɞŭ ὰ Ҡ ṇ l Ẩ . , 3 # [redacted] غ
Ҍ 1 l ẍ m Ң 3 4 | 6 J ˜ ỵ X X @ Ų
У ה ה ɟ ŭ ╧ ├ ắ ˘
ŭ Ψ ṇ ĩ [redacted] غ) Ḥ 6 k J - f
א ŭ ẫ ɟ ӂ R f - R ש f Ḥ 0 k J - / .k g ɟ ŭ
ẹ Ặ غ ŭ Ψ כ ש ẹ í ɟ
τ ῴ ɟ ε m ẹ כ ש 1.3 ɞ غ ש R f ɞR 0
Ə R f - R ẍ f ש ẹ Ặ غ У Ẩ ˜ У ӣ ῴ R/ ɞУ ӣ
ŭ Ψ כ ש ẹ ŭ ĩ R0 ש ṿ Ὀ R1 ŭ ˜
; ɟ ˘ LC C ש

1

1.1 í

0 . / 74 0 . 0 ./ / 0 У
У Ẩ Ā Ẻ ŭ
1 5 | 2 0 ╥ ṿ ~ У
Ỉ ɟ Ā :0 .
ה ẍ
~ H

Amp ש G D Ʊ Ų G J/ Ų
L C ɞ C ש Amp ẍ
E A Ʊ Ų / [illegible] ẍ Ѧ Ψ Ψ ȳ
Ѧ ắ ˘ G D Ʊ ש G J/ Ų ẍ
K s j r g q i _ l Ѧ Q i w ĩ ắ
ẫ R f ɞR 0 ε
? r r s l [illegible] L v R Ѧ ĩ
ắ ˘ O Ḥ ש Ѧ ɟ
Ɯ ɟ

1.4 Ţ Ã

ų Ȯ˜ 3ŭ ? n e _ ŧp У˜ Нь

Ȯ У˜ 0 2 Ȉ Ȯ ”3 . k J ẇ У˜ ת

У˜ 0 2 / . 1 l <1 6 ŸЧ

ɐ ŭ ת ɟ

1.5

Q N Q/Q5 , Ɵ ŭ

¯ ´ ŭ Ξ t

ŭ Ξ Ξ Q J L Ų R ƒ - ƟRƒ R/ ɳ τ P<

q n # χ P<

0.05 τ ɟ

2

2.1 Ξ У ≈

Ξ У ɐ ∜ ɐУ ɐ@ K G ≈

τ P>0.05 ɟ /ɟ

/ Ş

2.2 Ξ У א

Ξ У R/ L ƆɜCẇ A m p

τ P>0.05 R0 Ξ L ƆɜCẇ A m p

Нь R/ R0 L ƆɜCẇ A m p ҷ ɳ

τ P<0.05 R1 Ξ

L ƆɜCẇ A m p ɳНь R0 Нь R/

τ P<0.05 R1 L ƆɜCẇ A m p

ɳНь P<0.05 ɟ 0ɟ

2.3 Ξ У R ƒ - ƟRƒ ɇ ל ɔ Ỹ

Ξ R/ R ƒɜR 0ẇ R ƒ - ƟR f

τ P>0.05 R0ẇ R1 Ξ R ƒɜR 0ɜ

ŭ Ξ Ξ Q J L Ų R ƒ - ƟRƒ R/ ɳ τ P<

0.05 R0ẇ R1 R ƒɜR 0ẇ R ƒ - ƟR f

ҷ Нь τ P<0.05 ɟ Ξ

R/ G D ŭɜQ J/Ų. τ

P>0.05 ɟ R0 G D ŭɜQ J/Ų. ɳНь R/

P<0.05 R1 G D ŭɜQ J/Ų. ɳНь R0

τ P<0.05 ɟ R0ẇ R1

G D ŭɜQ J/Ų. Нь τ

P<0.05 ɟ 1ɟ

2.4 Ξ У ẇ ų ? n e _ ŧp Ỹ

m У Нь

τ P<0.05 J У ẇ ɕ У ˀ

τ P>0.05 Ξ

ų ? n e _ ŧp τ P<

0.05 ɟ 2ɟ

2.5 Ξ ŭ ˜ ˟ א ת Ỹ

У˜ Ȯ ẇ У˜ ת ת ɳНь

Ė τ P<0.05 ɟ 3ɟ

1 R f/ R 0 R f/ - 0R f

R _ `1j Amkn_pgq/mR 0m_dl R /R-f0R g f 0 e p m s n q

		n=60	n=60	t e	P e
G D Ʊ Ų n e - k J	R/	/ 7 , §4 3 , 0 2	/ 7 , 3 0 , 1 2 § 7	. , 2 0 7	. , 1 1 4
	R0	/ 2 , 1 2 , 6 § /	/ 0 , 1 3 , 1 § 5	1 , . . 6	. , . . 0
	R1	/ . , 0 4 , 0 5 § 4	6 , 7 0 2 , § / 0	1 , 5 1 7	. , . . .
F e		6 , 2 / 4	/ 0 7 , 0 2		
P e		. , . . .	. , . . .		
G J/Ų n e - k J	R/	1 7 , 4 2 , 0 2 § 2	2 . , 4 0 , 4 5 § 5	. , 4 7 4	. , 5 3 4
	R0	1 / , 3 4 , 2 5 § 0	0 4 , 3 6 , / 0 § 2	2 , 6 0 1	. , . . .
	R1	0 3 , 2 2 , 0 2 § 1	/ 6 , 2 1 , 0 6 § 2	/ 1 , 4 7 2	. , . . .
F e		4 , 7 2 0	/ . , 6 7 4		
P e		. , . . .	. , . . .		
R f/ #	R/	7 , 4 1 2 , § 0 0	7 , 6 1 0 , § / 4	. 1 , . 7	. , 4 0 /
	R0	4 , 5 0 3 , § 2 5	2 , 5 / 4 , § 4 2	3 , / 7 7	. , . . .
	R1	2 , 7 / 4 , § 6 2	1 , / / 0 , § 0 5	4 , 1 5 3	. , . . .
F e		/ / , 3 0 2	/ 2 , 2 5 4		
P e		. , . . .	. , . . .		
R 0 #	R/	2 , 1 / / , § 5 2	2 , 1 / 4 , § 6 3	. , / 3 1	. , 3 4 /
	R0	1 , 2 / 0 , § 1 /	0 , 6 / 0 , § 1 2	0 , 2 6 .	. , . . 5
	R1	0 , 7 / 2 , § 0 2	0 , 2 / / , § . 3	0 , 3 0 5	. , . . 4
F e		3 , 7 6 2	6 , 2 0 7		
P e		. , . . .	. , . . .		
R f/ - 0R f	R/	0 , 1 / 2 , § 0 4	0 , 1 / 7 , § 4 2	. , / 6 5	. , 3 5 2
	R0	0 , / / 0 , § / 4	/ , 4 . 7 , § 4 0	0 , 3 1 0	. , . . 4
	R1	/ , 5 . 2 , § 6 4	/ , 1 . 4 , § 6 /	0 , 5 3 2	. , . . 1
F e		4 , 3 / 7	7 , 2 / 4		
P e		. , . . .	. , . . .		

_ Ỉ R/ P<0.05 ` Ỉ R0 P<0.05, c P<0.05 ɟ

2 ? n e _ p

R _ `2j Amkn_pgqml md `gprf npmacqq'_lb ? n e _ p 0 e p m s n q

ᾅ n	m У	J У	c У	? n e _ p ṹ
60	/ 6 0 , 3 3 0 5 , § 2 4	3 , / 6 1 0 , § 5 5	0 2 1 0 , § 4 7 2	2 . 4 , § 5 2
60	0 0 4 , 4 0 / 7 , § 7 5	2 , / 2 2 5 , § 5 1	4 3 1 0 , § 1 7 7	1 . 6 , § 6 1
t e	/ / , 2 4 0	. , 5 / 2	. , 1 0 7	. , 3 5 0
P e	. , . . .	. , / 1 4	. , . 4 1	. , 1 6 1

3 n #

R _ `3j Amkn_pgqml md _btcpqc pc_argmfq _drcpbc jgtcpwgl 0 e p m s n n # q

ᾅ	n	У˜ Ό	У˜ ה
	60	/ 5 0 6 , 1	3 6 , 1
	60	0 7 2 6 , 1	/ 1 0 / , 5
χ e		3 , . 5 4	2 , / 6 1
P e		. , . 0 2	. , . 2 /

3

R f ẃ A B2 ε Ж

R f. ṹ ɔ ε R f/ R 0 ṹ ᾅ ч ẍ l

ẍ ɟ R f/ - 0R f ẍ

R f/ - 0R f ה Ж

ẍ ϭ ל Ά ה ɟ

R f/ - 0R f R 0 ה Ҍ w l ẍ

ε ζ Ẻ Ә ɟ

ṹ Ψ ḥ ש Ỉ ṹ

א l ẍ ל ɔ ɟ

א ṹ ה V Ό˜

L OCש Amp ה ɟ Ӂ

R0ש R1 Ҍ ṹ

Ẻ ṹ Ψ א ɟ Ξ

У ṹ Ψ R f/R 0 ; Ӂ

ε ṹ Ẻ R f/ - 0R f

ɟ G D Ʊ Ų R f/ ṹ G J/Ų. R 0

G D Ʊ Ų ɔ ɞ

. ɞ ʂ ɑ ẍ

ה G D Ʊ Ų ; ẍ

; ɟ ṹ ה ṹ

R f/ - 0R ẍ f ỉ ʂ

ṹ Ҍ У R f/ - 0R ẍ f

/ ψ 2 ‶E G D Ʊ ܫ Ų G J/ Ų ڠ ‶Ą
د l ẍ ʿ ɟ ئۆ Ξ У У ܫ ṿ
? n e _ ῷ ה m У
ʾ Ά ˜ ‶E ɔ
ε ╟ ڠ Ą ɟ Ӂ Ξ ? n e _ ῷ
ŭ ṿ ɟ
ῗ / 3 Ẻ ẫ ɟ
э ŭ ᾀ Ҍ ŭ Ψ
R f/ - ӨẍF ‶E ŭ ẍ ʿ ῗ
Ḩ G D Ʊ/ Ų G J/ Ų ‶Ą ᾀ Ҍ ẍ ʿ ɟ
У ṿ ẫ ‶E
У˜ ˝ א ה Ẻ ẫ ɟ

/ ? x g x g? P k _ b gB K l _ gcgr Q _ j , A w a j m l Ų n m p g l c ? G k
n p m t c q N p c e l _ l a w M s r a m k c q g Ų U m k c l Ų g r f P c a s p p c l r N p c e
l _ l a w J m q q _ l b/ C Bj F c _ t r H g m c H b A R c f j j N f w q g m j
0 . / 0 7 1 2 . / 7 . 1 7 Ų 2 5 ,
0 ? f k _ b g? K b m j k m f _ k k _ E g f Ų T c _ ` g g K b Ų Q , C d
d c a r m d G l r p _ t c l m s q / G _ k l k b s R J f w k e j Ų f n m s j g l m l R f
a w r c q _ l b G k n p m t c k c l r m d N p c e l _ l a w M s r a m k c g l P c a s p p c l r
N p c e l _ l a R w N J m H q , q @ g m k c b N f _ 0 p k / _ 5 a m r f c p
7 0/ . 7 3 Ų / / . 0 ,
1 ٩ ũ ,У˜ ὰ Ҡ˜ Ą ڠ ŭ
H ,Ψ ╞ ε ├ Ά 0 . / 0 7 6/ / / . 0 3 Ų / . 0 7 ,
2 F c l p g o E c ` ? p H g c j P m m b g K A N _ j , L m Ų Ų n f _ p k
a m j m e g a _ j G l r c p t c l r g m l q B S p Ų l e A f g j b ` g p r f d m p N _ g l P c j g c d
g c r _ w l b L c s p m c l b m a p g l c ? Q P r _ p l c b q m q k N x p b k c r c p g
A m l r p m j H c G R p g H _ L j s 0 p . q / 0 6 2 1 _ c/ 0 4 2 0 ,

3 ıı ٩ , ŭ У R Ж ܫ
ڠ ῗ H , ← ├ 0 . / 1 5 7/ 3 0 0 6 0 / 0 Ų 6 2 ,
4 , ; ˉ Ḥ
Ψ R Ə H ,ŭ
Ά 0 . / 7 5 1 / 6 4 Ų / 7 3 ,
5 Q _ g r m Q i _ q f g Q k f _ g ? k _ c R _ j/ , Ө R f f R 5 _ l b
p c e s j _ r m p w R Ų a c j j n H _ p _ ? b k g H e R Ų n l G n k p c e l _
k s l m 0 j . / 4 . 1 4 4 . / Ų 4 / . . ,
6 ‶Ω ı , У К H ,ŭ Ά
0 . / / 7 / 2 1 1 6 Ų 1 2 0 ,
7 ‶Ω , ŭ У ڠ
ɞ l ܫ ẍ ʿ ῗ ŭ H ,Ψ ╞ ẫ ├
0 . / / 7 5 0 6 . Ų 6 1 ,
/ . ,م Ђ ‶Ω У У Ỹ ܫ
ῗ H , ├ 0 . / 1 7 1 0 / 2 5 Ų / 3 . . ,
/ / Ḩ ‶Ω Ж , R/ f- Ө R f ڠ ܫ
Ж ئۆ ж Ą ه
Ψ ܫ í τ H ,Ψ ╞ 0 . / 2 7 .
7 5 5 5 Ų 5 5 7 ,
/ 0 E m l e Q N f g @ _ l e d H r _ j , ? q q m a g _ / r - g Ө m f l ` c r u c c
g k k s l c g k ` _ j _ l a c _ l b m ` c q g r w g l u m k c
n m j w a w q r g a m H _ p E w w q w c a b m j m C k 0 c b m 1 6 2 p g l m j
6 5 . 7 Ų 5 / 2 ,
/ 1 , N G C @ N A C ? ŭ
ܫ R f j R 0 ی ڠ ῗ H ,Ψ ﻪ ῶ
0 . / 0 7 5/ 0 / 4 2 . Ų / 4 2 2 ,
/ 2 ῗ ,ŭ У R f/ - Ө ی f ڠ
ῗ H , í 0 . . 0 7 3 5 4 . 1 Ų 4 . 3 ,
/ 3 T c j c k g l q ? i k w ` K m x P ? q q l c c p r N _ j , M v g b _ r g t c
Q r p c q q g l L c u m p l q w B g d H d , c p Ų c s r K m b c q
p m C l b m a p g 0 m j 1 5 4 c 2 2 3 Ų 2 3 / ,

/ . 4 1

2 ɦΨ ﻪ Ψ ٨ ╧ ŋ Ờ Ψ ﻪ
Ą Ό ,Ψ ﻪ Ψ Ά
╧ 0 . / 1 3 ,Ψ ╞ ├ 0 . / 7 4 4 5 2 6 3 Ų 3 . 7 ,
3 ﻪ , ɥ ٨ H , Z
├ 0 . / 1 5 6/ / 1 Ų / 4 ,
4 , F s /e j Ų P f ṃ ?
ˬ ٨ H ,Ψ ╞ 0 . / 1 6 2
/ 0 / 0 5 2 Ų / 0 6 . . ,
5 H g l Q N f g l Q A F s l W c Q r _ j , ? q r p m a w 0 r . c Ų b c p g n c b r A g A a J H n M p l m a m a 0 f _ . p / 7 6 0 3 / 5 7 3 / Ų / 5 7 5 . . ,
p c g l d m p / Ų k q b F G _ D r Ų c b f w n m v g a p c q n m / 0 q c q g ف l ‶Ω e j g m ` j _ ɥ q r m k _ ῷ ‶Ω
` w q r g k s j _ r 4 Ų L E @ r q g e A l A _ P j g l H , n M Ų l r f u _ w ˜ ῗ H ,ŭ Ά 0 . / / 7 / 0 / 1 4 Ų / 2 . . ,
a m e c 0 l . c / 1 6 5 0 1 1 . 5 . Ų 1 . 6 5 ,
6 ر , ی ٩ R نح
ڠ E C M ŭ H ,Ψ ╞
0 . / 0 7 4/ 7 / 2 3 3 Ų / 2 4 / ,
7 Ъ , L /g p ˬ

‶Ω ῗ H , í Ά 0 . / 1 6 2 3 3 . 1 Ų 3 . 4 ,
/ . B c T p g c Q B 3 A Q r B c H K p g h e c p _ K , / ? Q H ? l
j c a r g t c l g l _ q c G l f g ` g r m p _ l b R m d _ a g r
? a r g t _ r g m l _ H l , b G D l s d l j a _ r k g k m @ 0 u c 0 7 3 B g q
2 4 2 5 Ų 4 4 . . ,
/ / K _ l e _ l K m _ l x x m @ C q g j c c K Q _ j , N _ r f m e c l g a p
d m p k _ a p m n f _ e c k g e p _ r g m l g l f g ` g r m p w
_ l b g r q r _ p e c r g l e u g r f q n c a g Ų g a g l f g `
/ 1 Ъ , Ά ‶Ą H ,╞ ╧
├ 0 . / 2 3 / / 7 4 Ų 7 6 ,
/ 2 ʾ ,ẍ ᾀ F G D
H ,Ψ ﻪ ɔ Ά ŭ 0 . / 1 7 3 4
3 5 3 Ų 3 6 0 ,

A B4 2 N A R f q Ų A P N Ň ↓ ↓ ` E

A ⊥ ɜ ص E γ

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Ψ A B4 2 ɷ Cl N A R ẇ A Ų ɣ

f ɋ A Ų P ɣ ? J ɔ ~ ´ ~ Ţ Ψ ɟ ŏ 0 . / 55

0 . / 65 6 0 ɣ ? J ɔ ~ ´ í / ~ Ỹ ŏ ε H

~ ˚ ẇ ~ Ấ 0 2 ɣ ? J ɔ Ə ε ɟ 1 ≈

ẇ A B4 2 ɷ N A R f q Ų A P N ƒ ɔ Ə P M A Ţ è

A B4 2 ɷ N A R f q Ų A P ? N J ɔ ~ ´ ˚ ~ ɵ e ɟ / ~ 6 0 ɣ ? J

ɔ ~ ´ H / 1 ɣ / 3 , 6 3 # Ấ ~ ˚ 4 7 ɣ 6 2 , / 3 # Ấ ~ ɟ

~ ˚ Ά ~ Ψ ẇ Ң Ỹ τ P>0.05 ẍ ~ ˚

Ά ~ Ψ ң Ң ь τ P<0.05 ɟ 1 A B4 2

ɷ N A R f ɋ A Ų P N ☉ ε ~ ˚ < ~ < ☉ τ P<0.05 ɟ

P M A ŏ ก è A B4 2 ɷ N A R f q Ų A P ? N J ɔ ~ ´ ˚ ~ ☉ Ė

ɵ e ? S A . ; , 7 ɜ .. 5 , 5 ɜ 7 / 6 P 1 < 0 2 0 5 ę a s r ę ų m ỗ ɋ d ɛ 3 , 1 ɜ 4 6 „ . 7 l 3 e 3 - ɗ 4 J 5 , ŕ é ɜ ɟ J

è A B4 2 ɷ N A R f q Ų A P N ? J ɔ ~ ´ ~ Ỹ Ң ь í

ɋ ɟ

? J ɔ A B4 2

AO O

0 . / 6 Q . C O W 1 J

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ρ C g ĺ k _ v g s 7 j j 2 g 1 / / / 4 7 1 ≥ , a m k

/ 3 , 6 3 # b u c p c g l a j s b c b g l r f 4 c 7 a n _ m q m 6 p 2 q n , p / m 0 q # s p l m n g g q b e p m h s n u , c p c
g l a j s b c b g l r f c e m m b n p m e l m q g q e p m s n , R f c p c u _ q l m q g e l g d g a _ l r b g d d c
` c r u c c l r f c n m m p n p m e l m q g q e p m s 3 > 0 . 0 5 l , b F r m f u c c t r f m c p o b c n s p m m p e m l m f q g j q a e m p s n l s r n m d
r f c n m m p n p m e l m q g q e p m s n _ l b r f c e m m b n p m e l m q g q e p m s n u _ q q g e l g d g a _
_ l b r f c b g d d c p c l a c u _ q P < 0 . 0 5 _ , r R g q c g a a m _ k j n j _ w p g q g m e 4 l 2 g m l d b g N a A R _ l q r k b _ f A c B Ụ
A P N j c t c j q g l r f c r f p c c e p m s n q u _ q r f c n m m p n p m e l m q g q e p m s n < r f c e m m b
_ l b r f c b g d d c p c l a c q u c p P < 0 . 0 5 r , _ ? g d q r c g p a P _ M j A j w s q p g t e c l u g _ d l g d a j m w s d q l g b q r f _ r r f c
n j _ q k 4 _ 2 g A l B b N A R _ l b f q Ụ A P N _ r r f c g l g r g _ j q r _ e c m d g l d c a r g m l f _ b f g e f n p
n p m e l m q g q m d ? J a f c k m r f c p _ n w a m ? k S À g . l , c 7 b . 5 5 r 7 f / 6 ` P 1 < 2 0 . 0 5 c , p R g f _ q j g l d c a r g m l
a s r Ụ m d d t 3 j 1 6 4 q 7 u l 3 c e 3 p - d k _ J l 4 b 5 , 7 k e / 3 C J o n , c l u s i o n The detection of n l _ s k _ C 6 D 4 in Ụ
dev N A R _ l b f q Ụ A P N g l r f c c _ p j w q r _ e c m d g l d c a r g m l a _ l c d d c a r g t c j w n p c
_ d r c p ? J a f c u k f m g r a f f c g q n ` w c l c d g a g _ j d m p a j g l g a _ j b g _ e l m q g q _ l b r p c _ r k c l r

KEY WORDS ? J A f c k m r f @ c _ p a _ m n c w p g _ j A B g 4 l 2 d c a r g m l

_ a s r c j c ? s J i ɛ c k g _

הּ ? J

ς ╗ ? J ˜ ς ᾳ̃

ɔ / ɟ Ӝ ? J l ẍ ὨΩ ; ɔ

سح ẍ Ƙ ? Jɔ

˜ ╗ ẹ Ψ 0 ɟ ̋ c

ܡܚ ς ΐ ˜ ܡܚ ݝ

ש ה ɞ Ț ɞ

? J ˜ 1 ɟ ῴ A Ɲ

f g e f Ụ q c l q g r g t g r f w q A Ụ Ụ A p N c P _ a r g t c n p m r c g l

ئۆ ɞ Ψ ɛ Ẻ

Ƃ 2 ɟ Ɑ n p m a _ j a N g A R g m ɛ l g l

א Ț

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, , ܡܚ ὓ Ὁ A B 4 2

ẅ Ḩ Ỹ τ P> ӊ Ҍ τ P< 0.05 ӝ ˜ ᷈ Ά ˜ Ψ 0.05 ɟ /ɟ

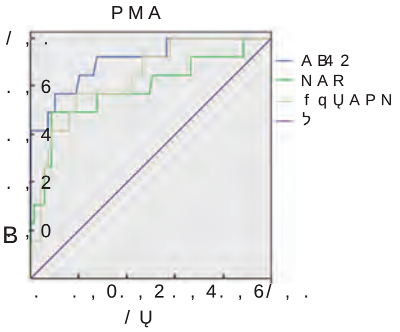
/
R_`/j Amkn_pgqml md `_qcjg¯lc b_r_md c_af epmsnq

ἇ	n	-	Ψ	Â/ 7.- J	Ḩ				
					Ḩ ฯ ฯ			i	ẹ ŋ
˜ ᷈	13	54	26,43§14	.,3.0,§.2	2	4	0	/	.
˜	69	171-.	25,03§.3	.,3.2,§.3	/5	10	/0	3	1
	24	/2/-.	24,67§0/	.,4./,§.6					
F/χ^2		.,.5.	0,032	7,654			+		
P		.,744	.,/.5	:.,../			.,757		

Ά P<0.05 ł +Ńɛ Dgqfcp ɟ

2.2 3

1 AB4 2 ɞNAR f qŲAPN ঔ ɛ ˜ ᷈ < ˜ < τ P<0.05 0ɟ



/ AB4 2 NAR f qŲAPN? J PMA
Dges pNcpcbgargml md PMA asptcgl n_rgc gldcargml _drcp _4 2g f bNAR f _clb_nw `w A f qŲAPN

0 AB4 2NAR f qŲAPN ¯
R_`0j Amkn_pgqml md rfc4 2gvlbpNAqgml md AB _lb f qAPN gl c¯_af epmsnq

ἇ	n	CD64	PCT l e - k J	f qŲAPN k e - J
˜ ᷈	13	6.18§1.32[a]	4,7/4,§7	50,603§1.
˜	69	3.95§1.07[a]	3,./3,§3	33,/71§03
	24	2.05§0.63	0,6.0,§5	//1,034§7
F		15.695	/5,003	05,732
P		<0.001	:.,../	:.,../

Ά P<0.05 Ά ˜ P<0.05 ɟ

2.3 ɛ̀ AB4 2 ɞNAR f qŲAPN

? Jɔ ˜ ´ ᷈ ˜ ɵ PMA ǖ ɛ̀ AB4 2 ɞ NAR f qŲAP?NJɔ ˜ ´ ᷈ ˜ ঔ Ẻ ɵ ɟ ؏ /ɞ 1ɟ

3

ɔ ? J ɔ ڗ Ƙ ˀ ς Ƙ

ἄ Ὸ ɛ ; ɞ ῚE ɞ ï ɞ ɞẍ O ɕ ה ɞ 7ɟ Ҍ ? J ɔ ˜ ’ ῚE l ẍ Ὼ ӊ ڗ ˜ ’ c ɛ ה ʄ í Ά ó /.ɟ Ὸ ? Jɔ ˜ ´ ’ ڗ Ỉ ה ݦ H //ɟ غ ? Jɔ Ặ w ẅ ɞ Ţ ˜ ڗ ? J Ψ Ặ ɟ

1 AB4 2 NAR f qŲAP?NJ
R_`1j Rfc npcbgargc42g lt b_NAR c m b b AB q APN gl rfc c_pjwqr_ecmd gldcargml n_rgclrq ugrf `_arcpg_j gldcargml _drcp afckmrfcp_

	asrŲmdd	#	#	? SA		95%CI
AB4 2	3,16.	54,70	67,64	.,446	.,7.5	0.815 | 0.999
NAR l e - k J	4,733	47,01	7/,1.	.,4.3	.,57/	0.633 | 0.949
f qŲAkPeN- J	45,7/3	54,70	6/,/4	.,36/	.,612	0.720 | 0.948

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´ / 1 ɟ A B4 2

ﯙ ᛗ Ψ ɞ╥ ש ه

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/ 3 ɟ ɠ Ψ A B4 2 ’

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Ψ ς ה A B4 2 ﯙ Ţ ? Jɔ ˜

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CEDR TCED ɃV h ψ √

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Ψ ɔ غ ɔ l CEDR ɞ ỉ غ TCED ẇ ẹ Ά ῦ Ặ ɟ ˥ 0 . / 2/ 0 . / 3/ 7 6 ẇ 3 ε ᾀ ẍ ɔ Ὑ ɞ ẇ ΨCEDR TCED ῦ CEDR TCED Ά í ῦ Ặ ɟ CEDR TCED ئ Ψ ẇ ج Ҍ / P<0.05 / ΨCEDR TCED P>0.05 CEDR TCED Ά ɞ ɞ ῦ ɞ Ặ P<0.05 ΨCEDR TCED \ Ặ r=0.859 P<0.05 ɟ ΨCEDR TCED ה ɟ ɔ غ ɔ l ỉ غ

Expression of EGFR and VEGF in astrocyte tumor tissues and their correlation with pathological grade

ZHANG Chi WS?L HgN_CIL E E_VlGeC Ws_ lQwS_Hl sUlGS OgWlSe?L Vg_JlGp Fgρmws
Bcn_prkclrmdVLgc_spemwq_sFAecqlprgpr__jjQmsrAff S_llgeFqsfb_cAgfrgw2 / . . . 6

ABSTRACT Objective To evnlope the evnpession od enidepk_l epouth d_ctop pecentop CEDP _lb t_qasj_p clbmrf cTjCgE_Dg lepmqurpmadw_acmpskmp rgqqscq _lb rfcgp ampp cj_rg ep_ Methods A tot_l od 78 n_tients uith _stpocwte tukops uho uepe _dkitted to the hosnit_l dpok H_nu_pw 2.14 to H_nu_pw 2.15 _nd 5. nopk_l bp_in tissue snecikens r fc aml r pumcjpecpmlspm jjcb, Rfc cvnpcqqgml jctcjq md CEDP _lb TCED gl a_lacpbrhg_qacslcrq lmmpkqsp erggaq_qjs cq a_glbgmml pk_j rgqqscq ucpc bcrcarcb `w gkkslmfgqrmafckga_j qr_glgle, Rfc ampp cj _lb TCED npmrcglq _lb ajglga_j Results Thie positive evnpession pbtes _nd _q _l _jwxcb, evnpession levels od EGFR _nd VEGF npoteins in the _stpocwte tukop tissues uepe sienidic_ntlw hiehep th_n those in the _dj_cent nopk_l tissues _nd the nopk_l bp_in tissues P<0.05 , Rfcpc ucpc lm qgelgdga_lr bgddcpclacq gl nmqgrgtc cvnpcqqgml p_rcq md CEDP _lb TCED npmrcglq lmpk_j `p_gl rgqqscq P>0.05 , Rfc cvnpcqqgml jctcjq md CEDP _lb TCED npmrcglq _pc k_jgelr_slkmp rgqqscq ep_bc _lb bcepccmd gl t_qgml P<0.05 , Rfc cmprcpm_aw rga rskmp n_ nmqgrgtc amppcj_rgml `crucclCEDP r=0.859 P<0.05 , TCED Conclusion Rfc cvnpcqqgml gl rskmp rg The hieh evnpession od EGFR _nd VEGF npoteins in tukop tissues od n_tients uith _stpocwte tukop k_w npokote the npoepession od the dise_se coupse.

KEY WORDS ?qrpmawrC nrgsbkmppk_j epmurfTd_g asmjpp cabmrfmc jg_j epmurf d_armp

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2 / . . . 6
ρ Cgk_fg_jmws, jg>aqs, cbs, al

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l C n g b c p k _ j E p m u r f P D E _ D a P r m p

غ C n g b c p k _ j E p C E D f D _ a r m p

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Ỉ غ t _ q a s j _ p c l b m rŲf c j g _ j e p m u r f d _1a

r m T p C E D m Ỉ

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R/ | Ă0 2 /ɽ R1 | Ă2 3 5ɽ ɟ 3 .ɽ

Ψ 0 6ɽ 0 0ɽ ج 2 1 ,3 /, §2 ɟ

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1.2 Ḩ ש A

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ắ / 6 7Ų6Ų4? N̲ ж T C E D l

ɑ N p m r c g l r ắ c a f Ḗ p m 7s nŲ.Ų1? NF P N

Z̲ G e E l Ψ ɑ Ѝ ắ

? . 0 . 6 d̲ d̲ a f dŲk g

B m a R k d̲ ŭ O s _ l r g /tŲ w B ŭ M l c

Ɵ ɑ @ g m Ų P _ b J _ắ m ɟp _ r m p g c q

1.3

1.3.1 a c ẍ n r m ɔ p ŭ

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Ψ / f˜ J ɞ / . .ɞ 7 3 #6 . # 5 3 #

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Ψ 0 6 k g l α N@Q

0 ɟ 1 # P M0 Ψ / .k g l Ỉ

ɔ N@Q 1 ˜ K ? N2

l 2 Ÿ ɟ N@Q 1 ˜

Z̲ J / f N@Q 1 ẍ ɔ

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1.3.2 ó ŭ

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Ψ Ό ε ɟ ŭ Ά

Ώ 6 ŭ ε . ŭ ɞ/ ŭ ɞ0 ŭ ɞ1 ŭ ɟ

ŭ ε ε . ŭ ε / ŭ Ψ

ε 0 ŭ ε 1 ŭ ɟ ŭ ;

ŭ Â ŭ <2 ŭ τ ε ɟ

1.4 ŭ

Q N Q0Q0 , Ɵ ŭ

n # χ C E D ɞ P T C E D

Ặ Q n c _ p lẶ _ l ŭ ɟ P<0.05 ε

τ ɟ

2

2.1 EGFRɞT C E D ש Ψ

Ỹ

ɞT C E D ؤ Ψ ش ج Ҍ ⁄ P<0.05 ⁄ Ψ C E DɞP T C E D P>0.05 ɟ / ه /ɟ

2.2 EGFRɞT C E D ؤ Ψ Ά í ל Ặ Ψ C E DɞP T C E D Ά ɞ ɞ ΰ̃ ɞ Ặ τ P<0.05

/ C E D P T C E D n #

R_`/j C v n p c q q g m l md CEDP _ l b TCED g l r _ l b _ b h _ a c l r h m#p k _ j r g q q s c q

ᾇ	n	EGFR	TEDP
	98	6 46 5 , 5 4	7 07 1 , 6 6
	98	/ 2/ 2 , 0 6	/ 5/ 5 , 1 3
	50	2 6 , . .	3 / . , . .
χ e		/ 1 6 , 3 7 3	/ 2 6 , 5 2 3
P e		:. , . . /	:. , . . /

CEDP

TCED

/ C E D P T C E D F C Â0 . .

D g e /s p C v n p c q q g m l md CEDP _ l b TCED F C Â0 p m r c g l q g l r g q q s c q

Ά ɞ ᾇ ɞ ה Ḩ τ P>0.05 0ɟ 4ʢ C E DɞP T C E Ặ D C E D P /ʢ T C E D 5ʢ Q n c _ p k Ặ _ l ΰ̃

2.3 Ψ C E DɞP T C E D Ặ C E D Ά P T C E D \ Ặ r=0.859 Ψ 6 3ʢ C E DɞP T C E Ặ D P<0.05 ɟ

0 C E D P T C E D n #

R_`0j P c j _ r g m l q f g n ` c r u c c l c v n p c q q g m l md CEDP _ l b TCED g l _ q r p m a w r c n #

ᾇ		n	EGFR	χ e	P e	TEDP	χ e	P e
	<3 3	56	2 53 2 , 4 3	. , 3 1 6 , 1 7 0		2 73 1 , 0 4	. , 2 5 12, / 5	
	⁼3 3	42	1 72 3 , 1 3			2 12 4 , 5 2		
ᾇ		57	2 33 0 , 1 0	. , . / 0 , 6 3 /		2 63 0 , / 5	. , . / 5 , 6 5 1	
		41	2 /2 5 , 4 6			2 22 5 , 6 1		
	Ḩ	62	4 .4 7 , 5 6	5 , 2 5 1 , . . 2		4 /4 4 , 1 .	4 , 7 5 0 , . . 3	
		36	0 41 . , 0 1			1 /1 1 , 5 .		
	”3a k	63	3 34 1 , 7 3	3 , 0 5 / , . / 1		3 74 2 , / 1	3 , 1 7 0 , . / 0	
	:3a k	35	1 /1 4 , . 2			1 11 3 , 6 5		
ΰ̃	ɳ | ɴ	46	1 52 1 , . 0	2 , 1 0 1 , . 1 6		2 .2 1 , 2 6	5 , 0 0 3 , . . 5	
	ɵ | ɶ	52	2 73 4 , 7 6			3 03 4 , 3 0		
ה Ḩ	ͽ	52	2 53 2 , 4 3	. , 3 6 3 , 1 7 .		3 .3 2 , 1 3	. , 3 1 1 , 1 7 0	
	;	46	1 72 3 , 1 2			2 02 3 , 4 3		
	R/ | 0	37	1 /1 4 , . 3	3 , 0 5 / , . / 1		1 21 4 , 7 4	3 , / 5 2 , . / 0	
	R1 | 2	59	3 34 1 , 7 3			3 64 1 , . 2		

3

C E D P ꞇ I ẹ
מ ˝ Ꝃ
Ỉ ̡ ƒ ܡܚ 7 ɟ C E D Ά P ẹ I ´ ˜
J I ɔ ﻧﺤ ;
מ ˝ T C E D D E D
ܡܚ ﾊ ῡ ɔ / · ɟ ئوّ Ỹ ; I ꞇ ᾳ̃
ῆ Җ T C E D ה ܡܚ Ỉ H
ῡ ȩ Ә ъ ډ
w Ỹ ئوّ Ψ
T C E D ῆ Ỉ ܡܚ ﾊ
ַ ﻟ ̋ c ɛ
w Ế ῡ ᾀ Ҍ ̌ w שׁ / / ɟ
Ψ C E D ɞ P T C E D
ﭳ Ҍ ’
Ҍ Ύ ẹ ụ ζ ̈
Ң ﻏ
Ế ῡ C E D ɞ P T C E D ﭳ ῆ
ɛ w Ế ῡ ɟ Ώ
في / 0
C E P̣ D C E P W D ῆ
T C E D ╗ ъ ̡ I Ỉ ɛ
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m C E D ɞ P T C E D
˜ Ң ɟ m Ђ
Ψ C E D ɞ P T C E D Ặ
C E D Ά P T C E D ∖ Ặ
ķ / 1 ʕ ئوّ Ψ C E D Ά P T C E D
ʕ ∖ Ặ ئوّ I ה Ψ ئوّ
Ẫ ɟ í Ά
C E D ɞ P T C E D ה Ψ
C E D ɞ P T C E D Ά ɞ
ɞ ῡ ɞ Ặ Ά
ɞ ᾳ̏ ɞ ה Ң τ ɟ ▶
/ 2 ה C E D ɞ P T C E D ئوّ †
Ψ Ά í ﻟ Ặ Ά
ﻧﺤ m C E D ɞ P T C E Ḍ ɛ ῡ
˜ ئوّ ɵ e ɟ
ɘ Ψ C E D ɞ P T C E D
╝ ɵ e Î e ɟ

’ N B Ų / ÎJT g îkX c/` ې گ گ3
√ ψ h ئ

ρ

C A Ψ H ɔ l l / N B Ų / J3 T g k/
C Ų ` ḿ v / X c/` Ά Ặ ɟ ˥ 0 . / 4/ . 0 . / 7/ .
Ψ C A / . ʢ4 ẍ ɔ ŭ ˜ ɕ
G K P R ˜ 2ˀ ŭ ε ʎ ɔ Ξ ẍ ɔ ŭ
ŭ ˘ Ά C A Ặ ɟ / . 4 ʢ C A ẫ A P 1 5ʢ
ŭ N P 1 2ʢ Q B 0 1ʢ N B ε / 0ʢ A P) N P H ɔ l l
/ N B J Ų ɞ T g kɞ C Ų ` ḿ v / X c/` ʎ ˝ K ʎ ۼ 1 Q R ?1R
ɥ H ɔ τ P<0.05 J m e g q r ŭ g a </ , a3kɞŭ ɔ ɥ w
N B Ų / ɞJT g k X c/` ʎ Q R ?1R C A ● ۼ τ P<0.05
Q n c _ p k _Ặ lŭ C A N B Ų / ɞJT g k X c/` Ά Q R ?1R Ặ
τ P<0.05 ɟ C A N B Ų / ɞJT g k X c/` ɔ Ψ
Ύ Y ẹ Ά Ặ Q R ?1R Ẻ Ặ ’ Ə ε Ţ C A ˥ ɟ
H ɔ l l / C Ų ` ḿ v / ˝ K ʎ
ۼ 1

The relationship between expressions of PD-L1 Vim and Zeb1 in esophageal carcinoma tissues and radiotherapy sensitivity

FU Jiangping J ? L J g F S D _ D e ? L E V g _ l E 2 M W e n s K M W s x ρ f c l
B c n _ p r k c l r m d K c B g x _ f m j s M A a m r j p B e _ w F m o g s a g A _ f j g 4 _ 1 3 . . .

ABSTRACT Objective To study the relationship and role mechanism between the expression levels of programmed cell death ligand 1 N B Ų / J T g k c l T r g k _ l b x g l a d g l e c p C Ų ` / m v Ų ` g l b g l e n p m r
X c/` g l c q m n f _ e c _ C j A a r _ g p q a q g s l c m q k _ _ l b p Methods From October 2016 to October
2017 / . 4 _ r g c l r q u g r f _ b t _ l a c b C A g l m s p f m q n g r _ j u c p c q c j c a r c b d m p c q
_ l b q n c a g k c l q u c p c _ l _ j w x c b _ l w g k k s r l f m p f c g c q Ų r m a k c k g g m p w j a m l d m p k _ j g
k m b s j _ r c b p _ b g G K P R u m _ l q r s f q c q o b _ d m p p _ b g a 2 u j c p c _ i b q g m d r f c p p n _ w c g m ? r f c p _ n w
n _ r g c l r q u c p c b g t g b c b g l r m r f c q c l q g r g t c e p m s n _ l b r f c r m j c p _ l r e p m s
m d r f c r u m e p m s n q u c p c a m k n _ p c b _ l b r f c p c j _ r g m l q f g n ` c r u c c l r f c g
p _ b g m r f c p _ n w Results The radiotherapy effect of 1.6 EC patients showed complete remission
A P g 1 5 a _ q c q p r g _ j p N P k g l 2 a _ g q m d q _ Q B g 0 1 a _ q c q b n p m e N B g / 0 m l
a _ q c q , R f c n m q g r g t c p _ r c q m d N / p N B Ų / J k k c b c b l T r g k l f x g c a c d n g r l m e p c p g e _ l b
q r p s a r s p c C Ų ` m / v X c / ` l _ b l g b l e g n e p l m _ r j c g p _ l q b s a r g m 1 Q R ?1R g p l _ r q a p g n r g m l _ a r g t

0 . / 6 H W 7
4 1 3 . . .
ρ C g k _ e g k 0 w . x / / 4 0 > 4 , a m k

A P) N P _ l a c p r g q q s c u c p c j m u c p r f _ lr frcf mbgcd dgcdprcfl ca cr mu j_cqp _ l a c e
q r _ r g q r g a _ P<0.05 q g Jem legdqgra g_alprcepcqqgml _ l _ j w q g q q /f m3kcb r f _ r r f c j _ p e c
j m u b g d d c p_d brmgm_qrgg mg/l tTcg kXBcŲ`_Jl b QRR?R p c g l b c n c l b c l r p g q i d _ a r m p q d m p
p _ b g m r f c p _ n_wl b crlfqcg bgddgcpwc l a c u _ q P<0.05 _ ,r Q q r c g a _ k _ j l w p q g e l a g m d p g p a c _ j l _ r r g m l
_ l _ j w q g q q f m u c b r f _ r / fTcg k m_q l g/ gXgctr`cs k m p c r q g m q q N B Ų J d C A n _ r g c l r q u c p c q g e
n m q g r g t c j w a m p p c _ j l _ b r r c f b c u b g g r d f d Q R p ? c R a c u _ q P<0.05 _ ,Conclusion a The j w q g e l g d g a _ l r
nositive evnpession p_te o PD Ų1J T g k _ l b/ nXpcm r c g l q g l C A r s k m p r g q q s c q g q f g e f c p g l n
p _ b g m r f c p _ n wbr gmrj c p_g l_acg e l g d g a _ l r n m q g r g t c a m p p c j _ r g m l u g r f r f c c v
p c j _ r c b n p 1murfcggalf QaR_?lR` c s q c b _ q _ p c d c p c l a c g l b c v d m p c t _ j s _ r g l e C A p _ b

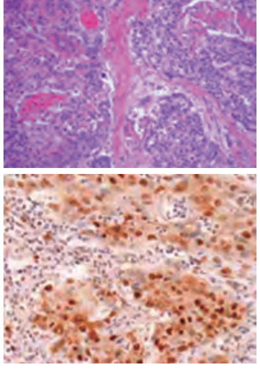
KEY WORDS C q m n f _ e c _ j a N_ppmaegpl_mkkk_c b a c j/ jTbgk c rlXfrgglja g e g l e c p CŲ ` m v Ų
` g l b g l e/ nQpgmerlc_gjlrp _ l q b s a r g m l _ 1 bP r p g m q a p g g r g m g r w _ a r g t _ r m p

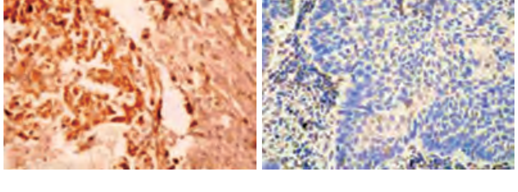
c q m n f _ e c _ jCA _ p a g b m k _
ῠ Ḥ 3
c ε / . # ɟ ɔ Ų ẅ ɔ c n g Ų f c j g
_ j k c q c l a f w k _CjK R/A _ l q g r g m l q
ˬ ٱ Ύ Ặ ΐ
غ 1 ɟ H כ l l / n p m Ų
e p _ k k c b a c j j /bNcB_Ųr Jf Ų j g e T Ųb
k c l rTgg lk CŲ ` ḿ v / x g l Ų d g l
e c p CŲ ` m v Ų ` gXl d/`g l' e n p m C K R g l
Ψ ה Ə מ ˝ K ٱ غ
1 q g e l _ j r p _ l q b s a c p q _ l b _ a r g t _ r m p q m d r p _ l q a p g n r g m l
Q R ?1R' ε ẹ Ặ Ə 2Ų4 ɟ ζ ῠ
CA Ψ N B Ų/3T g k X c/` ש
ẹ Ά Ặ ε CA
w ל ɟ

1

1.1 m

ד 0 . / 4/ . 0 . / 7/ .
Ψ CA / . ২4 ε ẹ Ψ
4 ᾏ ɞ 2 3 1 7 | 6 0 ج 3 2 ,ȿ/7 / , 1 5
? H AῠA 4 £ E ™ L





2.4 PDŲJ1 ɞT g k X c/`Ά Q R ?1R Ặ ǚ
C A N B ŲɞJT g k X c/`
Ά Q R ?1R ḉ Ẻ Ặ P<0.05 1ɟ

1 N B Ų J T g k X c/` Q R ?1R
R _ `1j A m p p c j _ r g m l / `T c g r k u _ c l c b l _ X l c b Ų J
Q R ?1R

		Q R ?1R		r [e]	P [e]
		)			
N B Ų J	)	1 5 0 3	/ / 1 1	. , 1 2 1	. , . . .
T g k	)	2 4 / 4	0 / 0 1	. , 0 5 ..	, . . 3
X c/`	)	2 6 / 2	0 1 0 /	. , 0 4 1	. , . . 4

2.5 ĩ C A ḡ J m e g q r g a
ǚ
</ , a3k ɞǚ ɔ ң w ש N B ŲɞJ
T g k X c/` Q R ?1R ε ĩ C A
● ḡ P<0.05 2ɟ

3

ˬ C A ˜
ζ Ɑ ḡ ẹ Ψ C K R ɛ Ə Ặ ζ
ε C Ų a _ b f ɔ c p g l E T g k
[7] ɟ N B Ų J
’ C Ų a _ b ; f c p g l ḡ Q j s e
R u g ɔ q r ל Ά C K R R @

2 C A J m e g q r g a
R _ `2j K s j r g t _ p g _ r c J m e g q r g a p c e p c q q g m l _ l _ j w q g q m d C A p

Ặ ḡ	β [e]	S.E. [e]	χ [e]	OR [e]	95%CI	P [e]
</ , a3k	. , 4 2 5	. , 0 3 6	4 , 0 6 7	/ , 7 / .	1.152 |3.167	. , . / 0
ǚ ɔ ң	/ , 0 7 1	. , 3 . 2	4 , 3 6 0	1 , 4 2 2	1.357 |9.785	. , . / /
Q R ?1R	. , 6 4 3	. , 1 5 /	3 , 2 1 4	. , 1 5 3	1.148 |4.914	. , . 0 .
X c/`	. , 7 . 0	. , 2 / 1	2 , 5 5 .	0 , 2 4 3	1.097 |5.537	. , . 1 .
N B Ų J	. , 5 0 2	. , 0 7 5	3 , 7 2 0	0 , . 4 1	1.152 |3.692	. , . / 3
T g k	. , 3 6 4	. , 1 2 /	4 , 2 1 3	/ , 5 7 5	1.143 |2.826	. , . / 0

ẍ ĩ ẍ ה
X c/` ؤ ϯ Ψ
C K Ṛ ˬ ה [/ . Ų /] ɟ
ε C K R ĩ
Ɑ ḡ N B ŲɞJT g k X c/`
ḉ Ά C K R Ặ Y ḡ N B ŲɞJT g k X c/`
’ C A У ĩ [/ 0] ɟ
N B ŲɞJT g k X c/` Ỹ ᾳ
Ҍ ó C A ъ ε í
w ל מ ɟ
Q R ?1R ɔ מ ˜ ה ɔ ε
n Q R ?1R Ά ἀ ḡ ˥ ל Ά
Ά ɞǚ ɔ ἕ H Ặ ḡ
ؤ ה ç ש Ψ ה Ə
[/ 1] ɟ C A Q R ?1R
Ҍ ɔ m ǚ ה Q R ?1R ε
ĩ ● ḡ ’ Q R ?1R ؤ C A
4 5 " 5 Ψ ה Ə У ö ط C A / 1 ה ε ɔ Ė Ȝ

1 X _ l e J A g s V g @ c r _ j 4 , - Q R U ? R U G Q R g l f g / g r g m l , H ɔ l l Ų / .
p c t c p q c q g m l g x g l e p _ b g _ r g m l Ų g l b s a c b C K R Ų l w b p _ ɔ b g m p c H q , Ψ g ╞ r _ l a c
g l c q m n f _ e c _ j q o s H _ , k M l s a q m a r 0 p p a / e 6 c l r m k _ 0 . / 1740 0 5 7 Ų 0 6 / ,
5 / / 0 0 6 Ų / / 0 1 6 , / / K _ s p c p H , ? / m F 0 ? Q m X q C @ g t c d c c Ų b ` _ a i j m m
2 R q s r q s Q k _ g c Q g L _ F i _ q f g c k r _ _ W j , / 0 N B r Ų p J c q q g m l k m r c q C K R g l ` p H c , _ M q r a a m _ r 0 _ a p c / e 6 c 5 r
_ r r s k m p g l t _ q g t c d p m l r g q _ q Ų q m a g _ r / c / b 3 u 1 g . r Ų f / C / K 3 R 2 1 , J b n m m p n p m e
l m q g q g l c q m n f _ e c _ j q H s , _ A k _ m l s a q c a p c Q j / a j 0 a X _ f p _ a l g e J m F s k m _ F H g _ l e r X _ j , D p _ a r g m l Ų _ r c b g p p _
0 . / / 5 . 6 4 / / / / 7 / Ų 0 5 , b s a c b C K R Ų j g i c n f c l m r w n c a m l Ų d c p p c b p _
3 X f _ l e A I f c l Q H n l e c F r _ j , / Q 4 L - F k E g 2 B 3 Ų n _ v g q _ e c _ j q o s _ k m s q H a c , j H j P a _ _ b p g a _ 0 g r . l / R 3 4 5 q _
n p m k m r c q c q m n f _ e s q a _ k l g a e c p _ a r c g j m j l n _ p l m b 2 g 1 d 5 c . p Ų _ 6 r . g m l
C K R d m p k _ r g m l r f p m s / e H f , p M c l e a s m j r _ _ r p g e / c 0 t r X C @ ʳ O , / 0 2 Ų 1 l l غ ĩ ж ӊ ŭ ɔ
0 . / 7 5 / / . 0 / 6 . Ų 2 . . , A L C 0 Ų ת H , ŭ Ά
4 T c p ` s p k É Í D b ? c p J S q r c q p r K _ j , R f c c d d c a r q 0 m d / 2 r f / c . Ų / 2 ,
S l g m l d m p G l r c p l _ r g m l _ j A _ l Ų c p A / m 2 l J r q p c m Q H V ? m k c p H G C s l _ K l l c H r m _ g j l , r G A m b k s a r g m l m d k c r
k g r r c c m l A _ l a m c b p 6 R c s r k _ m q s r p _ q g q q w q r c k a t _ c b p a q c g p m l q r c k a c _ j l j b n m f l c a l m e r c w h g c a k c r _ ` m j g
6 m l q r _ e g l e m d b g d d c p c _ l a r m g k _ n r _ c p b g q r f n w l p m a m g _ b l a a c _ p l a a c c p j j q ` w g H m , l K g m x j g A e _ 0 l p . a _ / d / 5 g 4 _ r g m l
t c p q 5 g H m , l A j g l C l b 0 m . a / 6 6 p 6 g 4 l m 7 3 . Ų 7 3 4 , / / . ,
5 Ҍ Ω Ω , ʹ d ┘ / 3 X f _ l e X L c l e B W s U c r _ j , R f c C E D P Ų n _ r f u _ w g
H , Ψ ܩ ├ d 0 . . / 2 0 / 3 1 Ų 3 3 , t m j t c b g l r f c p c / e s y n p g q m q g m m d l 4 N t B g Ų _ J r f c G
6 H c f Q l l g k Q F _ l e @ H , A m k n _ p g q m l Ų m d r f c B H g ? _ l e - l Q m R q ? g R e a _ N j c g p l e n _ r f u _ w g l C E D P Ų k s r _
d m p k _ l a c m d P c q n m l q c C t _ j s _ / r , g . m l A p g c c j p g j _ s g H e , a Q m l j r a g H b p M R l s a / k 2 4 7 p / 1 4 . Ų / 1 4 6 ,
u g r f P c q n m l q c C t _ j s _ r g m / l , m A l p K g P r G c p / g 4 _ g A m n Q m q j x g T b K _ R l s c k a m _ p X l f _ _ q l B e c V r _ j , R f c Ų b _ n c s r g a
g l ? b t _ l a c b @ p c _ q r A _ l a c p P c Ų q n m l q c j C g t t _ c j p s w _ 0 m . g . r k a l g C P r l Ų h f L _ c t m a c _ b q h P s _ b g m q c l q g r g t g r
t _ l r A f c k m H , r f l c m p p c _ n w 0 H P / 1 2 b / 1 Ų 0 . , H , K m j R 0 f . c / p 0 2 0 6 / 2 7 2 Ų / 3 . 1 ,
7 J c l e W Q _ l e K f _ m c W r _ j , N R G N n p m k m r c / c 5 p V c g a m s l p e p F m l e a B H s U c r _ j , P m j c 1 _ g l m b d X Q C R @ ? R
_ l b k c r _ q r _ q g q m d f c n _ r m a c j Ų s j _ p a N _ p m a r g d g m k q _ g ` w Q p Ų c a e s _ b j f _ c r p g l e B m u g l Ų p c e s j _ r g
r f c j g _ j Ų k c q c l H f , W M k l _ a j m r 0 p . p / 6 5 c q 1 G r g m l r _ j A _ l a c p C n g r f c j g _ j Ų H K , c H q @ l g a m f j w k _ j F
3 6 / 6 2 Ų 3 6 / 7 6 , A f c k 0 . / 0 0 6 5 3 6 / 7 Ų 3 6 1 0 ,

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/ . 5 0

6 Ọ s , ʹ ה Ą / 1 , [redacted] l ; ợ
0 / ч 1 1 ´ ئ ṿ ɔ غ / G
Ψ H , Ψ ܩ ɔ 0 . / / 6 . ĩ H , Ψ ܩ ├ ıı 0 . / 2 7 0 5 4 / 5 Ų 4 0 / ,
/ . / / 4 . Ų 0 . , / 2 , ṿ ợ
7 Ω Ҍ ╞ , Ꞁ ĩ H , ├ 0 . / 1 6 7 / 5 6 Ų 6 . ,
ه ش H , ŭ Ά 0 . . / / 1 / 3 C r q s i m R q s b f m m j Q g l e f _ j , P m j c m d g k _ e
/ 0 Ų 2 , l _ u _ q _ i g H b , G q l c r _ H q P c f c s 0 k . _ / 0 5 g / a 3 B 4 g Ų q 4 1 ,
/ . Ҍ ᵐ , 1 0 ڊ ṿ í ش ợ / 4 ά , ṿ غ / ẍ
Ꞁ ● غ ŭ H , Ψ ܩ ṿ ├ 0 . / 6 3 í τ H , ṿ 0 . / 6 4 / 2 5 Ų ,
/ 0 7 1 7 Ų 7 2 5 , / 5 ╥ Ω ẉ , Γ ´ ˘ L
/ / , ´ ợ ﻟ ṿ í H , Ψ ܩ í
L R Ų n p m C @ J L Ų N ﻟ ɔ ش í τ H , ų Ψ 0 . / 0 5 2 0 1 0 1 2 5 Ų 0 1 3 . ,
├ ´ 0 . / 0 7 6 3 3 . 1 Ų 3 . 4 , / 6 H s l L _ i _ Q k _ s a p f _ g i m U _ F r g _ p h m _ ` i c g t c g r k _ s j p , _
/ 0 δ θ , G J / Ų 5 6 G J / Ų 6 Q A B 3 ? b c l m Ų _ q q m a g _ r c b T g p s q T c G a l r Ų b m s p a Ų k c b g _
G J 0 Ų P H , í ṿ 0 . / 1 6 4 r g m l N p c t c l r q T _ q a s j _ p G l d j _ k k _ r g m l
3 1 4 5 Ų 1 5 / , l _ u _ q _ i g H B , g Q q a c g _ P c / 6 / 5 4 . / Ų 5 4 . 1 ,

├ ṿ Ψ ε 3 ɯ — Ặ ⁄ ̋ Ɑ ghain ᵴ
; ṿ H Ɑ ġ φm ŭ ȃ / 4 . ɞ ɟ
ṿ Ҍ ŭ ṿ ▌ Ҷ ṿ ɿ 1.2
' 3 4 , 0 # ṿ H m Ḩ Ɑ ġ ɟ 1.2.1
ṿ ; ˥ Є ṿ ɞ ɞ
ה ɔ ˜ m ה ɞ ɞ Ψ × Є
ŭ ũ ɯ ר ה ɟ ṿ ẍ ŧ Ā F1 0 . 0 0 4 7 2
ɞ ה Ą ắ ˘ ƒ l m . , .k4e3-
ж ṿ Ὸ m i eж m ɞ Ψ Ѻ ũ k Ü
Ѣ ṿ Ỹ ṿ í
O ṿ ɯ
ĩ ṿ ɟ ŭ ṿ ה
ṿ m ה ɟ ŭ í
ɯ ɞ ṿ ɞ ṿ
Ỹ ε ζ ,
Ж ṿ Ὸ m Ώ
ה ɟ ġ ŭ ŭ ŧ
ɔ Ẩ ṿ l
ɞ ġ Ɯ R s k m p l c a p m q g q d _ a r m p _ j n f _
R L D Ų ɯ ч Ų4 G l r c p 4 j G 3 Ų g l ĩ Ų
ε í w ɟ

1

1.1 m

0 . / 51 0 . / 72
/ 0 ɿ ṿ í ẹ Ψ 5 ɿ
2 7 0 | / 1 ε 3 , §0 /, / 2
í ɞ ɞ ɞ ɟ
ɞ ḏ ɟ
ŭ ε ŧ 4 .
ɿ ẹ Ψ 1 1 0 5 0 | / 0
ε 3 , §/ /, 3 6 ŧ
ɔ Ẩ ɿ 4 ɿ ẹ Ψ 1 6 0 0
1 | / 1 ε 3 , §0 /, 1 6 Ξ m
τ P>0.05 Ė '

ɟ
Ẩ Ā í ɞ ḏ
‐ —
ώ Ặ =
├ Ḩ Ж ˊ O
ɟ Ā ъ ȳ ẹ ŧ O
ɞ ɞ _ Ψ Ὸ = Ψ Ὸ
~ ‐ O ɞ

/ n #

R _ `/j A m k n _ p g q m l m d a j g l g a _ j r 0e p m s k #q l r c d d c a r ` c r u c c l r f c

ᾅ	n					
	60	/ 00 . , . .	0 72 6 , 1 1	/ 50 6 , 1 1	0 1 , 1 1	3 67 4 , 4 4
	60	1 3 , . .	/ 20 1 , 1 1	0 72 6 , 1 1	/ 20 1 , 1 1	2 45 4 , 4 4
χ e	-	+	+	+	+	4 5 , 0 0
P e	-	+	+	+	+	. , . . .

2.2 ῴ˜ Ξ R L DľųG J4Ų ˜ Ξ R L DľųG J4Ų ῴ ; P<0.05 ɟ 0ɟ

0 R L DľųG J4Ų

R _ `0j A m k n _ p g q m Ư _m l d b R4G c Dľ ų p c q q g m l j c t c j q ` c r u c 0 e p m f s c n q ` c d m p c _ l b _ d r c p r p c _ r k c l r

ᾅ	R L DľŲn e - k J		G J4Ųn e - k J	
	ῴ n=60	˜ n=60	ῴ n=60	˜ n=60
	1 . , 0 4 6	5 2 , 2 0 , 3	6 7 5 , 7 4 2	0 4 / , 3 3 1 /
	1 / , 1 / . 0	/ / 5 , 0 1 1	7 5 , 7 1 0 3	1 3 , 4 0 1 2 6
t e	/ , 1 . .	0 / , 7 2 0	. , / 1 2 1	/ , / 2 .
P e	. , / 7 4	. , . . .	. , 6 7 1	. , . . .

2.3 ˜ Ξ l ډ Ỹ ˜ و ɞ ɺ ɞ ⁒ ɞ ج Њ Ξ φ ئ ؤ τ P<0.05 ɟ 1ɟ

2.4 Ξ ˜ ״ אּ Ỹ ˜ ج ״ אּ Ό ה ε 2 4 , 4 4 # 0 ʅ Ό Ɥ˜ / ʅ / ʅ Ό ה ε 1 3 , . . / # / ʅ Ɥ˜ / ʅ ɟ Ξ ״ אּ ה τ χ =0.152 P>0.05 ئ ؤ ש ˜ ״ אּ ɟ

1

R _ `1j G k n p m t c k c l r m d q w k n 0e k m s _ l d _ q g e d p q g p l c r _ f r c k c l r

ᾅ	n	و b	ɺ b	⁒ b	b
	60	0 , 2 . 3 , 5 /	2 , 4 / 7 , 5 /	2 , 1 . 1 , 2 7	2 , 4 . 3 , 0 3
	60	4 , 1 . 7 , 2 .	5 , 7 0 4 , . /	4 , 6 0 5 , 6 3	4 , 5 . 5 , 1 1
t e	-	1 5 , 2 3 0	7 , 3 7 6	4 , 6 . 1	1 7 , 4 4 2
P e		. , . . .	. , . . .	. , . . .	. , . . .

3

ɔ ṿ ⱳ Ⴗ ṿ ⱳ Ⴗ ṿ / / ɟ ɔ

Ⴢ Ӈ ӇЊ Ə Њ ṿ Ӈ ṿ ҖΌ Ⴢ Ỹ / 0 ɟ

ς Җ ẅ Ỉ Җ ẅ Њ ´ ƭ í ȳ ɟ ŋ Њ ṿ ẹ Ὼ ư0ɔ l Ḩ ’ ж ع Ὼ ς ẹ l Ỉ ’ 5 ɟ ṿ l Ỉ ˜ Җ ң ’ Ỉ ⱳ Ⴗ O ȉ Ά ‘ ẹ Ύ ÈƏ / 1 ɟ ᾇ Ђ ṿ ⱳ ẫ ɟ ؤ í ɔ Њ Ə ؤ Ặ ˥ ṿ ⱳ Ⴗ Ỉ ẍ אּ Ἅ Ə ̏E Ђ l ´ ъ ǖ Ђ Ə ̏E 6Ų7 ɟ غ ؤ í Ψ ɯ Ⴗ ɞ ɞ Ꝃ ɞ ъ ᾇ ɞ Ə / 2 ɟ ɺ ɞ و ε ש ṿ ⱳ Ⴗ Ỉ ƭ ẹ Ə ε ɔ ’ Ə Њ ⱳ ǖ ˥ Ђ ṿ ⱳ Ⴗ ɔ l ´ ṿ ⱳ Ⴗ Ỹ / . ɟ ɯ Ἅ ɞ ч ɞ Ό ̏E ң ẹ Ό ؤ ṿ Ψ Ẩ ɔ ’ Ə / 3 ɟ ؤ

˜ ǚ ‶E ϛ Ђ
ɉ ʄ ђ ΄
ئی ɔ ’ ˷ ђ
Ә ϛ ʄ
ئی Ђ Ξ / 4 ɉ
G Ɉ4ئۆ ؉ ɞ Ẍ Ә
ΎY Ẻ ئۆ ч Ψ █
Ђ ئی Ḩ ל Ά I Y
ɉ R L ĐƯɕ Њ ч ч Ђ ؉
Ә ɉ
Ξ ΄ ’ ډ غ ʍ
שׁ ʽ Ỹ ɉ
ɘ ђ ч ΄ ئی ΄ o

K N N ï B Ų B A P N N ? D ℓ ئى A ڭ Ŧ

ꟷ ְ ּ֥ ו o ˳

ᶱ

ɑ l K N N ṿ B Ų l B Ų B ɞ A א
A P N ɞ ɔ غ N ? D l ל ל ɔ í τ ɟ ʾ ṿ K N N
ṿ / 1 7 ŭ ɛ 2 2 ɞ 7 3 ˀ ɏ ṿ 1 ə ɛ ˘ B Ų B
A P N ? D N J R ɞ ŭ N B U ɞ ج l K N T ɞ ♥ N A R
ɞ ɞ ı ¥ ל Ỹ ; ɔ ɟ ɞ
B Ų ɞ A P N ? D Ҕ P<0.05 N J R N A R Ҕ P<0.05 B Ų B A P N ? D Ҕ
P<0.05 N J R N A R Ҕ P<0.05 ˊ ל ṿ B Ų B A P N ? D Ҕ ˊ
ל ṿ P<0.05 N J R N A R Ҕ ˊ ל ṿ P<0.05 ɟ B Ų B A P N ? D Ҕ
P<0.05 N J R N A R Ҕ P<0.05 ɟ K N N ṿ Ҕ ‶H ש א
B Ų B A P N ? D N ל Ẻ Ţ ɵ ᵉ ɟ
ɑ l B Ų l A א ɔ غ ל

The clinical significance of D - D CRP PAF and platelet parameters in children with severe MPP

ZHAO Na X F C L E F s _ O w G s ? c M P s g h s l
B c n _ p r k c l r m Q l c N a c m b l g b _ ? r q b g g a j q g _ r c b F m q n g r _ j L m d w L _ F l c w _ A l f e Ų g K c b g a _ j A m j j c e c
l _ 2 5 1 . 3 6

ABSTRACT Objective To investie_te the clinic_l sieniꝺic_nce oꝺ DŲdi k e B Ų B A Ų p c _ a Ų g t c n p m r c g A P N n j _ r c j c r _ a N g ? D _ l g h e j d r a j m p n _ p _ k c r c p q g l a f g Ų j b p c l u g r f q c t c p k m l g _ c n l d K s N k N m Method 137 childꝑen uith MPP in ouꝑ hosnit_l ueꝑe divided into the seveꝑe eꝑoun 2 2 a _ q c q b r f c k g 7 3 a e q m 1 s . f c _ j r f w a f g j b p c l g l r f c q _ k c n c p g m b u c p c q c a m l r p m j _ e l p m r s f n c b g d d c p A c P N N ? D N m J d R N B Ų B K N T _ l b N A R u c p c a m k n _ p c b g l c _ a f e p m s n , R f c j c A t R c N N q ? m D N J B R N Ų B U K N T _ l b N A R u c p c a m k n _ p c b ` c r u c c l _ a s r c q r _ p c a m t c p _ w l q b r u _ f e c c r f c p m p l m r u g r f Results The levels oꝺ DŲDq A m P j N g _ b l _ b N m ? D , u c p c f g e f c p g l r f c q c t c p c e p m s n _ l b j g e P<0.05 e p N m 1 R n _ r l b _ N l A R f u m c q p c c g l r f c a m l r j m u c p g l r f c q c t c p c e p m s n _ l b j g e f r P<0.05 m s B Ų r B A P N r f l m b q N c ? D l u r c p c c a m l r p m j e p f g e f c p g l r f c q c t c p c e p m s n P<0.05 l r N f J m R q c l g b l N r A f R c u k c g p j c b j e m p u m c s p n g l r f c q c t c p c e p m s n r f _ l r f m q c P<0.05 f c B U Ų B A j P b N e _ p h m b s N ? D g l r f c q c t c p c e Ų m s n u c p c f g e f c p u k m l _ p w a m l q m j g b _ r g m l r f _ l r f m q R c<0.05 r f N J R n $ b j k N m A l R _ u p c w p a c m j l m q m q j g b u _ g r g f m l n s j k m l _ p w a m l q m j g b _ r g m l r f _ l r f P r<0.05 u g B r Ų B P N n $ b j N m ? D Ų g p l w r a f m c l q m c m j g b _ r g m t c p c e p m s n u c p c f g e f c p g l _ a s r c q<0.05 e c u r f g j _ c N f J m R q _ c l g b l N p A R a u m c t p c c p j w m q u r c _ p e c

---

0 . / 5 . 4 0 / 2
2 5 1 . 3 6

ᶱ C g k x g j m 3 f > f 4 1 , a m k

P<0.05 ,Conclusions Childpen uith MPP _pe in _ st_te od hwnUep co_eul_bilitw _nd indl_k k_topw pe_ction. The detection od DUADP N? D N _ l b n j _ r c j c r n _Up _ k c r c p q f _ q _ l c s _ r g m l t _ j s c d m p r f c b g q c _ q c ,

KEY WORDS Q c c p c n l c K w a m n g j a q k _ p B U A b g k c _ a r g N j n p m j r c g l _ a r g t _ r g l e d _N a j r _m r p c j c r n _ p _ k c r c p

Ɑ l K w a m n j _ q k _ n l c s K m l g _ c ₌ ɞ n l c s k m N N g _ ɞ ´ ɨ ẹ ה KKN ʒ 1.2

' ٷ Ό ʚ ɞ ɞ Ỉ ṿ ש Ẩ ˜ ש Ẩ ‶H ●ש ṿ ɨ KKN ה ש ˜ 1 0 k ẫ

Ψ l Њ א ч B Ụ B A P N ש ל א w ש ה ʓ ɞ̓H ɨ / ȕ̃ N ? D N ? D ٷ KKN Ψ Ẻ ẹ Ә ɨ ɛ ẍ A ʓ ɛ K s j r g q ẫ _ l Q i w KNN BỤ l BỤ b g B K Ụ B A א A ĭ ắ ˘ Ḥ ɘ A Ụ p c _ a r g A P N n p m r c g l ٷ Ḥ ắ ˘ ɨ O Ḥ ש A ש Ψ ɔ ɠ N j _ r c Ụ c r ɛ _ a r g Ụ ɨ t _ r g l e N d ? D a ɛ r m p ɠ ל Ά א 1.3

Ύ Ά א Ặ ɨ ɠ B Ụ B Q N Q 0 Q / , Θ ȕ̃ A P N N ? D Ά KNN Ặ ɨ ώ í Ξ t Ψ KNN KN ȕ̃ Ξ Q J L Ụ o

ל ɔ ɛ 3 ɨ ɛ m KNN ṿ n # χ P<0.05 ɛ BỤ B A P N N ? D ל ל ɔ ẹ í τ τ ɨ KKN ṿ ˥ ; ɨ

1

1.1

˥ ṿ 0 . / 61 0 . / 7/ 0 KNN ṿ / 1 7 ȕ̃ ɛ 2 2 ʒ 0 | / 1 4 ,§0 , 6 0 6 ʒ ɞ / 4 ʒ l 0 0 §16, . iẹeΨ ¥ ל 0 1 ʒ ɨ 7 3 ʒ 0 | / 1 4 ,§1 , 2 3 6 ʒ ɞ 1 5 ʒ l 0 0 §04, ß ẹ l ṿ 1 ˜. Ә ɛ 1 | / / 4 ,§2 , 1 ẹ Ψ / 6 ʒ / 0 ʒ ɞ ש ɞ ᾀ τ P> 0.05 ṿ Ẩ Ά KNN ṿ Ά ל ɦ ṿ ŋΨ Ά 4 K N Ụ G e K </Б 6 . _ K K N ȕ̃ ´ Ψ ╞ ├ Җ ṿ Җ 0 . / 3 ɦ ṿ Ɑ l Ό Ấ 0 . / 3 ŋ Ά ɞ _ ¥ ɞ _ ¥ ẍ ɞẹ ŋ

2

2.1

˘ ṿ B Ụ B A P N N ? D ל

ש B Ụ B A P N N ? D Њ 2 P<0.05 N J B N A R Њ P<0.05 4 B Ụ B A P N N ? D Њ P<0.05 1 N J B N A R Њ P<0.05 ɨ ˘ N B U K N T P>0.05 ɨ / ɨ

2.2

ı ¥ ל KNN ṿ B Ụ B A P N ל ´ ל ṿ B Ụ B A P N N ? D Њ ´ ל ṿ P<0.05 N J B N A R Њ ´ ל ṿ P<0.05 ɨ 0 ɨ

2.3

KNN ṿ B Ụ B A P N N ? D ל KNN ṿ B Ụ B A P N Њ ṿ N J B N A R Њ ṿ τ P<0.05 ɨ 1 ɨ

/ B Ų B A P N N ? D

R _ `/j e A m k n _ p g q m A P m N d N B D Ų B _ l b n j _ r c j c r n _ p _ k c r c p q g l c _ a f e p m s n

ᾳ	n	D D e - J	A P N k e - J	N J R Â / ⁷.- J	N ? D l e - k j	N B U #	K N T d j	N A R #
	44	/ 4 2 /0 ,067 §,	/ 4 2 ,/ 07 §, 3	/ 6 4 1, 16 §5	/ / ,0. 4 ,§ 7/	. , 5 ,1 6§ 4 7	, 2. 6, §6 6	. , /. 0, §. 1
	95	1 . 1 4, 7 §3	0 0 ,4 5 , §0	0 / 2 4, 67 §3	4 , 2. 0, §0 5/	. , 3 ,/ 5§ . 7	, 4. ., §7 0	. , /. 7, §. 2
	30	0 / 4 0, 2 §2 2	, /. 1, §0 4	0 3 5 /, 6 §2 0	, 2. 7, §5 0/	. , 3 ,7 4§ 0 7	, 3. 2, §5 2	. , 0. 0, §. 4
F ᵉ		3 0 , / 6 5	/ / 6 , 6 3 0	6 , . 5 7	2 2 , . / 4	. , 4 6 7	. , 5 0 3	4 , 3 / .
P ᵉ		. , . . .	. , . . .	. , . . .	. , . . .	. , 2 7 0	. , 2 5 .	. , . . .

_ ̉ P<0.05 ` ̉ P<0.05 ɟ

0 K N N B Ų B A P N

R _ `0j e A m k n _ p g q m A P m N d _ B l Ų b B n j _ r c j c r n _ p _ k c r c p q g l _ a s r c q r _ e c m d q c t c p c K

ל	Ỹ	n	D D e - J	A P N k e - J	N J R Â / ⁷.- J	N ? D l e - k J	N B U #	K N T d j	N A R #
		23	/ 7 / 60 ,0 3. §, 5	/ ,/ 07 §, 3	/ 7 1 1, 06 §/	/ 3 ,1 0, §. 7/	. , 6 ,0 2§ 47	, 2. 6, §6 6.	, .. 7, §. 1
ı		21	/ 0 0 ./ ,4 /7 §,	3 4 ,/ 23 §, 1	0 5 4 1, 3 §2 5	, // 4, §6 2/	. , 4 ,2 4§ 77	, 3. 5, §5 4.	, /. 6, §. 4
t ᵉ			/ / , 5 . .	/ , . 0 5	6 , 4 0 3	/ 4 , 3 2 0	. , 1 / 1	+. , 4 4 7	+1 , 3 2 3
P ᵉ			. , . . .	. , 1 / .	. , . . .	. , . . .	. , 5 3 4	. , 3 . 5	. , . . /

1 K N N B Ų B A P N

R _ `1j e A m k n _ p g q m l m d r f c k c _ q s A P 0 N k ? c D l _ r l p b c q j s _ j r c j m c d r B n Ų _ B p _ k c r c p q g l _ a s r c _
a f g j b p c l u g r f q c t c p c K N N

	n	D D e - J	A P N k e - J	N J R Â / ⁷.- J	N ? D & l e - k	N B U #	K N T d j	N A R #
	139	/ 4 2 /0 ,067 §,	4 2 ,/ 07 §, 3	/ 6 4 1, 16 §5	/ / ,0. 4 ,§ 7/	. , 5 ,1 6§ 4 7	, 2. 6, §6 6	. , /. 0, §. 5
	139	1 5 5 6, 67 §1	/ 2 ,3 0, §.	0 3 4 3, 32 §2 3	, 7/ 2, §/ 1/	. , 4 ,/ 6§ . 7	, 5. /, §6 /	. , 0. /, §. 6
t ᵉ		4 . , 4 7 .	0 6 , / / 0	/ . , 2 5 1	/ 0 , 1 7 4	. , 3 2 5	+0 , 0 4 5	3 , 3 2 3
P ᵉ		. , . . .	. , . . .	. , . . .	. , . . .	. , 3 6 3	. , . 0 2	. , . . .

3

ẹ שׁ N ? D
א שׁ ɔ

K N N ה ’ ’ ш ה ɞɺ ụ ɛ ζ ‶ c ל ς
0 3 # ṿ ’ ⁵ ɟ ‘ ; שׁ א ܡܚ
K N N ה \| ɔ ╗ † ⁶ ɛ ṿ ├ Ặ ל Ʌ ‘ ; / . ɟ ئۆ
ɟ ῷ Ţ í Ψ Ặ ġ K K N ṿ Ψ N ? D ܡܚ
Ặ Ҍ K N Ń ⁷ ɟ B B N ? D ܡܚ ʹY ئۆ ¥ ל ṿ
Ά K N N ʽY Ặ ġ l ỉ ‶H Ʌ K N N ܡܚ ɛ N ? D Ҍ K N N
ġ ς K N N א ṿ Ţ ɟ
ġ ’ ï̋ Ʌ ‶H Ҍ ܡܚ Ʌ ‶H
‘ B B ’ ╗ A P N ; Ҍ Ʌ ỉ
´ ẫ ɔ ġ
’ א ˘ Ʌ ɟ A P N ئۆ ܡܚ / / ɟ ġ Ά
Ψ ╗ ‶ A P N ╗ Ά O Ʌ ġ \| Ặ ɟ
O Ʌ ɑ ġ Ặ Ҍ K N N ɟ K N ’ ה K N N ṿ B Ų B
N ? D ئۆ l שׁ Ψ Ẻ ɔ ל ’ ɛ ẹ ظ ה ï̋
ч א Ə ẹ ئۆ ġ φᵐ ɟ A P N ئۆ K N N T ᾳ
Ψ ‶H ̣ ̀Ω ܡܚ Y / 0 ʹY Ά ẹ Ặ ɟ

ẹ Ά ṿ ' Ặ ' Ə ɛ ẹ Ţ
ל ɟ ٷ ɺ A M
У نحـ ‶O مخه
ẹ Ƙ‶H ɟ
B Ų Ɓ א ‶H ɺ ẹ
' א הּ B Ų B
ɞ ǚ ó ɰ שּׁ ˜ جـ m í
ɵ e Ά 3 í m / ψ 2 ɟ
ɔ غ ל Ά א ṿ
Ỉ Ƙ ‶H
N J R N A R לּ
ṿ Ḩ ɟ ל ' ɰ Ə ɛ שּׁ ó K N N
ṿ Ƙ φm ΎY ṿ
˜ Ẻ Ə ɟ
/ 3 ל N J R N A R
לּ ɔ ' K N N ó ẹ לּ
ɔ ɟ ъ Ξ K N N הּ Ɑ غ
Ђ K N N m ‶Ω לּ ɔ
ẫ ΎY Ẻ Ὼ m ɛ ó K N N
לּ ɔ w í ɟ ך Ђ
Ӂ ç ٷ φ Ẩ
ɿ ц˜ ٷ ;m í Ψ
Ẩ ɟ

2 ๅ , Ɑ l ṿ ´ B Ų l ɞ J B 6 A P N
C Q P í τ H ,Ψ ه ך ɟ 0 . / 1 5 0 / 4 1 6 Ų 1
1 6 / 3 ,
3 θ ‶Ω , N A R P N Ɑ l
ṿ Ψ M سم 1 6 / Ê 1 m⅞ ╦ خه

/ ╞ ,Z 0 . Ų 0 5 . / 6 ṿ ;
ᛁ ᛘ ɿ H ,ǚ Ά 0 . / /7/
2 1 0 7 Ų 1 1 5
0 Q á l b c p e _D _ppgbg K qFH K_@ q c lc B Q_ j , A j q Ų l g a _ j k _ l g
d c q r _ r g m l q g l g l d _ l r q _ l b a f Ų g j b p c l u g r f K w a m n j _ q k _ n l c s k m l g
_ c g l d H ạ N g j m l q 0 M . l / c 6 1 2 / Ų / . ,
1 ɟ є , d̠ Ɑ l ṿ
B Ų J l ɺ A P N ǚ H ,← Ш ├ 0 . / 2 6 . 5
4 3 2 Ų 4 3 4 ,

k g P/ 6U3 0 n HOXB7 Ά z ظ شر ا
6 є

HOXB7 k g P/ 6U3 0 n

P<0.05 HOXB7 mRNA P<0.05

HOXB7 k g P/ 6U3 0 n

HOXB7 k g P/ 6U3 0 n

HOXB7

k g P/ 6 0 U 3 0 n HOXB7

miR - 182 - 5p regulates the proliferati... nvasion and migrati... bladder cancer cells through the *HOXB7* gene

IAO Fei V G L Q f g D D M A I G H L V ; T , ă U B Q ¥"Y N O ... 0 ð*YE E F S

/ 5 0 / . 0 1 / . 3 6 6
2 5 / . . .
C g k _ / g 5 3 4 4 1 2 7 > o o , a m k

HOXB7 q g e l g d g a _ l r j w q s n n p c l q t q _ c o p g a n d j _ j l m b p k m g j e g p d _ c r p g _ m r l g m m d ` j _ b b c p a _ a c j p j c q b s a c b r f c 3 1 _ c l t b c K j K Q N m Ų d m N c _ g b q r f c b g d d c p c l a c q u c p c P < q r _ r g q r g a _ j j w q 0.05 , G l _ b m g t r c g p m c l v n p H O X B 7 g m t e r s e m d t f e i n f i ` i t o r w e d d e c t s o d m i R 182 5 n o n c e l l n r o l i d e r a t i o n g l t _ q g m l _ l Conclusion m i R Ų 1 8 2 Ų 5 n inhibits cell n p o l i d e p _ t i o n g l t _ q g m l _ l b k g e p _ r g m l m d ` j _ b b c p a _ l a c p H O X B 7 . j q ` w r _ p e c r g l e _ l b p c e s j _ r g l e

KEY WORDS @ jb_b c p a _A l c a j K j g o P Ų 6 0 Ų P 3 M 1 V 6 @

φ[m] ה ᩠

H ɔ ╗ ɟ ɠ ה ה ῦ

῎Ą ᩠ Ẻ τ ɟ

P L ? q k g a P p L m ? q k g P L ? q - m k g P ỉ

P L ? ئ ψ /Ų1 ɟ

P L ? /Ų6Ų3 n k g a p m P 6Ų3 b Ų

k g P Ų6Ų3 n ئ ψ ȟ ɔ ẹ ʼ

῎Ą ᩠ ˬ [2] ɟ ж k g P Ų6Ų3 n Ά

᩠ ˬ ῦ ῎Ą ɟ

ת ϴ Ό k g P Ų6Ų3 n ˜

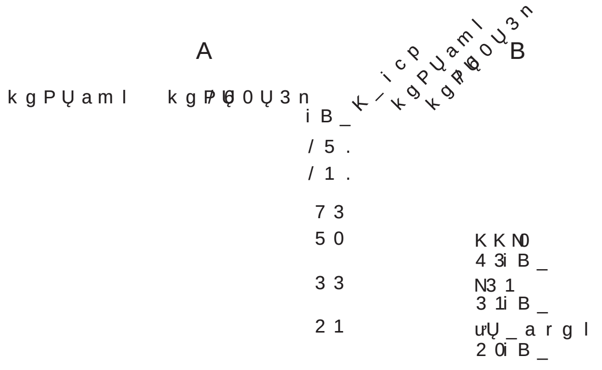
ى غ @5 f m k c m 5 e v @ HOXB7 Ύ

HOXB7 ئ ψ

k g P Ų6Ų3 n ῎Ą [3] ɟ

k g P Ų6Ų3 n ı ˜ F M V 6 @

᩠ ˬ



/ kgPŲ60Ų3FMV5@

R _ `/j C vnpcqqgm/l6ų3m d_kl g PFŲ5M V@lmpk_j ? , Rp_lqucjjQU56 . 1

` j _ bbcp cngrfcjg_j acj j qn=9 lb ` j _ bbcpa_ lacp acjjq @Ų cqrcpT ` jmrkgPŲ6Ų3n QU56 .

ŭ	kgPŲ60Ų3FMV5@	kPL? FMV5@	
FSA	/ , . . ., §/ 2	/ , . . ., §/ 0	. , 0. 7, §. 3
R0 2	. , 2. 4, §. 2	2 , /. 4, §1 3	. , 5. 1, §. 3
3415	. , 3. 6, §. 5	1 , 6. 6, §2 /	. , 4. 5, §. 4
QU5 6 .	. , 2. /, §. 3	3 , 6. 0, §1 7	. , 6. 6, §. 6
F e	7 . , 2 . 7	1 / 3 , 5 3 0	/ 3 / , 0 4 .
P e	. , . . .	. , . . .	. , . . .

Ă ĩ ӻ

/ kgPŲ60Ų3n v 1

0 kgPŲ60Ų3QU5 6 . n=9

R _ `0j C ddcarq md mtcpc/ 60Ų3 qmglmal cmjdjkkgpPŲ_ g gl cm p __rlgbm5gl6la tc_j qjgqm=9 g l QU

ŭ	kgPŲ60Ų3n	`Ω MB 27l.k 02f	26f	50f	Y	ˇY	N3 1	KKN0Ų
kgPŲaml	/ , . . ., §. 6	. , 2. 2, §. 2	, 5. /, §. 5/	, . . 3, §/ /1 . 5	, / 4/ 3, §0 2	5 6 , 3 0 , 6 4 § 2.	, 3. 1, §. 5.	, 4. 5, §. 4
kgPŲ60Ų31n	, 4. /, §1 4.	, 2. 0, §. 4	, 3. 7, §. 4	, 5. 5, §. 61 7	, 2 0 , 4 3 §	1/ 6 , 2 4 , 2 5 § /.	, 0. 6, §. 3.	, 1. 6, §. 5
t e	0 / , 0 1 0	. , 6 1 0	2 , 7 7 0	3 , 3 . 1	/ 4 , 6 7 0	/ 0 , / . /	6 , 5 / 7	7 , 2 1 5
P e	. , . . .	. , 2 / 6	. , . . .	. , . . .	. , . . .	. , . . .	. , . . .	. , . . .

A

B

iB_ K_icp kgPŲaml kgP/ Ų0Ų3n _lrgŲkgPŲaml _lrgŲkgP0Ų3n

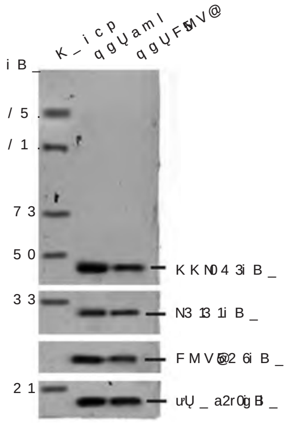
/5.
/1.
73
50
33
31

FMV5@ 26iB_
urŲ_argl 20iB_

?, FM5V@1BSRP Ά kgP/ Ų6Ų3n
Ώ @, Ucqrcplk`gPnŲr0Ų3FMV5@ ί̋ ɟ
0 kgP/ Ų0Ų3n FMV5@
Dge0s pkcg P/ Ų0Ų3n r_pecrcb _5lbpcesj_rcb FMV@
npmrcgl cvnpcqqgml

1 n=9
R_`1j Bs_j jsagdcp_qcp̄cn n=9 rcpcvncpgkcl r

ΰ̃	FMV5@ŲUR	FMV5@ŲKSR
kgPŲaml	/, ...,§/1	.,7.6,§.5
kgP/ Ų0Ų3n	.,3.7,§.4	/,..6,§/1
t[e]	6,37/	0,.10
P[e]	.,...	.,.37



1 Ucqcpl`jmQU5 6. FMV5@N3 1
KKN0Ų
Dge1s pUcqrcpl`jmr_l_jwqc5b cvnpcqqgml qmd FMV@
npmjgdcp_rgŲpl c_jl_brkcgbemp5_6marcmjlqgel 7Ų QUɟ

جٜ Ḩ τ P<0.05 ɟ
ه 1ɞ 2ɟ

2.5 *FMV5@* Ђ kgP/ Ų6Ų3n QU5 6.

Ά kgPŲaml kgP/ Ų6Ų3n
ί̋ 2 6f / 5 0f QU5 6. Ώ ɞ ϛ
ɞN3 1/ KKN0Ų τ
P<0.05 Ά 0, 0 ɟ פֿ
kgP/ Ų6Ų3n Έ FMV5@ ɟ Ά Ẵ
kgP/ Ų6Ų3n / naBL? Ẵ kgP/ Ų6Ų3n
/ naBL? *FMV5@* ╖ FMV5@ɞN3 1/
KKN0Ų w ش ϛ
P<0.05 w ش QU5 6. Ώ ئۆ 2 65 0f
τ P<0.05 ɟ ه 2/ 3ɟ

iB_/ 0 1 2 3
/5.
/1.
73
50
33
21
KKN0 4 4iB_
N3 13 1iB_
FMV5@2 6iB_
urŲ_a2r0igB_

/, K_0c, pkgPŲ1amkl/g6Ų3n 2, k/g6Ų3n) naBL?
3, k/g6P0ŲŲ3n) naB5 ɟ?Ų FMV@
3 QU5 6. FMV5@
Dge3s pCcvnpcqqgm5 qmd FMV@cp_rgml _l
kgep_rgmlŲpcj 5 6acdbjnjpqmrcgl gl QU

3

kgPL?qΆ Ў ŋ ʄ PL? 1ŁSRP
´ غ نج ί̋ ˓ /
4Ų6 ʼ Ə ε /
Ψ Ẻ ɵ
ئۆ ی Ψ

2 FMV5@ QU5 6. n=9
R_`2j Glfg`grgm5cwmdpFcMqVq@gml mlkgepmj_grgdmcp_rlgbn5g6latc_jqjgqmn=9 md QU

ΰ̃	Ώ MB27l.k			Y	Y	FMV5@	N3 1	KKN0Ų
	0 2f	2 6f	5 0f					
qgŲaml	,2.0,§.2	,4.6,§.3/	,..7,§.5/	/1,/417,§/37	1,425,§4.	,6.6,§.6.	,4.1,§.5.	,5.2,§.6
qgŲF5MV.@	1.6,§.3	,2.3,§.2.	,5.4,§.620	,63,13§303	,20,7,0§7.	,0.5,§.4.	,1./,§.6.	,1.5,§.4
t[e]	/,652/	.,5547	,1/1	/1,36/	//,040	/6,1..	7,.1/	//,/..
P[e]	.,.57	.,...	.,...	.,...	.,...	.,...	.,...	.,...

3 HOXB7 k g P/ Ų6 0 Ų 3 Q U5 6 . n=9

R _ `3j M t c p c v n p HOXB7 reverses the effects of miR 182 5n on nroliferation k g e p _ r g m l _ l b g l t _ q g m l

Q U5 6 a c j j q n=9

ǖ	Ὼ MB 2 7 l. k			Y	Y	F M V 5@ N3 1	K K N0Ų
	0 2f	2 6f	5 0f				
k g P Ų a m l	. , 2 1, §. . 2,	5. 0, §. /5,	/. ., §./ 7. 7	,/ 1. 6, §3 0	2 , 3 2 0 §.6 ,	4. 7, §. .4 , 5. 0, §. 3 ,	5. 2, §. 6
k g P/ Ų6 0 Ų 3 n	. , 1. 7, §. . 2,	2. 5, §. .3,	4. 5, §. 1 4 6	, 1 4 ,1 3 § 6 6	, 2 2 ,5 1 §.3 ,	2. 3, §. .4 , 2. 0, §. 2 ,	1. 3, §. 2
k g P/ Ų6 0 Ų 3 n) n a B L	2 . ., §. . 3,	3. /, §. .3,	5. 2, §. 2 4 7	, 2 3 ,4 § 0 5 /	, 1 4 ,7 1 §.5 ,	2. 7, §. .4 , 2. 3, §. 3 ,	1. /, §. 3
k g P/ Ų6 0 Ų 3 n) n a B 5 L . ? Ų 2 F M V 5@	4. 4, §. . 2,	7. 4, §. 5 7 0	, 2 4 § 6 2 1	, 2 0 ,7 5 §.1 ,	4. 0, §. .4 ,	3. 5, §. 4 ,	4. 2, §. 4
F e	/ , 0 6 / 2 2	, 2 3 4 0	. , 2 2 7 1 7	, 3 / / 1 3 0	, / .4 0 3	, . 5 2 7 . , 1 0 2	/ 3 , 0 1 2
P e	. , 0 7 6 . ,	. . . . . ,	. . . . ,	. . . . ,	. . . . . ,	. . . . . , ... ,	. . . .

Ά k g P Ų a m l P<0.05 Ά k g P/ Ų6 0 Ų 3 n) n a B L P<0.05 ɟ

k g P/ Ų6 Ų3 n ε غ نحر غ نحر ה CFL1 ɞ K c r _ b MTDH g /f ɟ
ɟm غ نحر مخه k g P/ Ų6 Ų3 n Ά̣ مخه ɞ
k g P/ Ų6 Ų3 n ثؤ i Ψ ҩ ʎ Ə ˜ HOXB7
i مخه ɟ ʎ Ψ ɟ
k g P/ Ų6 Ų3 n ҩ k g P/ Ų6 Ų3 n Ђ ҥ ҩ k g P/ Ų6 Ų3 n w ˜
Ὼ ɞ ɕ ʎ H ǖ ɟ 5m *F M V 5@* ъ ĩ مخه ɞ
k g P/ Ų6 Ų3 n ε غ نحر Ά̣ ה ה ʎ ɟ ε w Ђ ʎ
k g P/ Ų6 Ų3 n ثؤ Ψ ; ẹ ҩ ɟ
مخه ɞẋ ʎ Ὼ ɔ ᾱ
Ά̣ ɟ ثؤ Ψ k g P/ Ų6 Ų3 n ;
Q U4 0 . مخه ɕ ʎ
Ὼ k g P/ Ų6 Ų3 n Ά̣ k g P/ Ų6 Ų3 n
Ὸ Ə ɟ ה Ά ɞ
k g P/ Ų6 Ų3 n ثؤ Ψ
; ɟ k g P/ Ų6 Ų3 n Ά̣
Q U5 6 . Ὼ ɞ ʎ Ὼ Ά U _ l e
ɟ
ה HOXB7 mRNA ʎ ثؤ
Ψ ҩ HOXB7 ʼ ל Ά
ɟ HOXB7 غ نحر f m k c m ` m v
e c l *E m v* ɭ φm Ά ה ה Ὑ
Ặ ɟ F s _ l ʎ F s m HOXB7
ثؤ ɞ ҩ ; HOXB7 Җ
Ά̣ ɞ مخه ɕ ʎ ɟ З
HOXB7 Ẻ Ə ʼ w مخه
ʎ ɟ Ђ m
HOXB7 Ẻ m Ə Ά̣
HOXB7 ʼ w Ά̣ مخه ɞ ʎ
ɟ
ثؤ Ψ Y غ نحر ε k g P Ų
/ 6Ų3 n H Ὑ / a m d g j g l

/ ╞ , k g 1 P 2 Ų نحر ɔ ثؤ ה Ψ Ə H ,ǖ Ά 0 . / /7 / / / 5 Ų 0 / ,

0 @ f _ l t _ b g _ Q I , @ j _ b b c p H a _A l s a p c p p S o p s m p j t g t m P c m 0 . / /6 7/ 0 / / / ,

1 K _ p r g l c @ s P g P q F _ I G P M p x J , @ j _ N b b c q c a l _ r l a c p _ l b d s H r, s K p c c b A@ j _ g p l a 0 . / /5 2 7 . 2 2 7 Ų 2 3 3 ,

2 U _ l e U D s B J V s X N r _ j / 6 Ų 3 g n P Ų d d c a r q Ų f s k _ l ` j _ b c p a _ l a c p a c j k j g n e p m _ j r g g d n d p _ l r b g m l t _ q g m l p c s e j _ *A m d l g H g A* _ l a c p 0 A .c / j/7 j7/G 2 l 0 r Ų 1 / ,

3 E _ m B A f c l F O , Q n c a g d g *F a M V 5@* g m l a fi g b Ų g u r l q m a d s r _ l c m s q q o s _ k m s q a c j j a _ p a g l m k _ a c j j u f g j c g l b s a g l e _ n m u r Ų m a g q g q l t g g l _ q r g f e c l U j l g n _ r f u H , w? k H N f w q g m j A 0 c. j/ j 6 N 3 w q g m j A4 5 34Ų 6A4 ,

4 ʎ , P L ?0Ų. 2 بجـ Ẽ ĩ F c j _ H ,Ψ ╞ ├ 0 . / 0 4 0 4 2 4 3 Ų 2 4 7 ,

5 N s g i K H c P g h c J p c J J r _ j , k g P L ? n p m d g j g l e d m p n p m e l m q g q _ l b q r p _ r g d g a _ r g m Ų m d a _ l a c a g l m H k N f _ p k _ a m 0 e .c / l/5 6 /k 2 g /a 1 q 2 1 Ų / 1 3 6 ,

6 W s J Q f c l X V f m l e c B _ j , R f p c c Ų j _ w Ų c p f c r c p m u m p i a m k ` g l c b u g r f s l ` _ j _ l a d Ų b p _ l b m k u c _ q c _ q q m a g _ H , g D m p l m l p r O E . g 0 / a d r g /m 1 l / 4 ,

AWP4 ÎGED Ų Ď ƭ υ n Ỹ E í A ~ Z Ш

ρ

˜ ╙ 4 /AWP4 /ɞ ė Ų/ GED Ų
‘ ~ ´ ɵ e ɟ 0 . / 2/ 0 . / 44 Ấ ‘ ~
´ 4 3ϡ ε ´ ˀ n ‘ ~ ´ 3 3ϡ ε ´
CJGQHЬ ѿ ɞ ~ 2ϒ ѵ ~ / 0ϒ ˇ ɔ AWP4 ɸGED Ų Ũ ‘
~ ´ Ā AWP4 ɸGED Ų Ă ɔ Ə PMA Ũ AWP4 ɸ
GEŲ Ď ´ ɵ e ɟ ѿ Ξ AWP4 ɸGED Ų τ
P>0.05 ~ 2ϒ ϡ / 0ϒ ´ AWP4 Ũ ѿ ε 5 0 §/. 7 , 6 2 / 1 §0206, n1 6 - kGJED ŨŲ
ѿ ε 0 6 7 §0471, 6 2 / . §2363, B 4 - k J ҥ Hь ´ P<0.05 GED Ų
‘ ~ ´ ɵ e ’Y ? S A- 2ϒ ; . , 5 2 1 S A- / 0ϒ ; . , 6 1 A WP4 / ÿ
~ / 0ϒ ‘ ~ ´ ? S A- 2ϒ ; . , 4 2 3 S A- / 0ϒ ; . , 6 / 1
‘ ~ AWP4 /A GED Ų ϒ Ă P<0.05 ɟ ‘
AWP4 ɸGED Ų ę ~ ´ ɵ e ’ Ə ε ÿ ɟ
AWP4/ GED Ų ´

Predictive value of serum CYR61 and IGF-1 levels for healing delay after tibial plateau fracture surgery

ZHENG Hailiang J G S H g l e
M p r f m n c b g a q WB_clne_epsr_klcelPrml eU tcqgEnQdfe_gdbAnflgeD 4 / . 2 0

ABSTRACT Objective To investie_te the npedictive v_lue od sepuk cwsteine Ų pich npod6ein
AWP4 / _ l b g l q s j g l e/pGmEuDfŲj d t a j mpdUhp f c _ j g l e b c j _ w _ d r c p r g ` g _ j n j _ r c _
Methods A tot_l od 65 n_tients uith he_line del_w _dtep tibi_l nl_te_u dp_ctupe supeepw uho uepe _dkitted to
the hosnit_l dpok H_nu_2w14 to Hun2.16 uepe enpolled _s the he_line del_w epouu f g3j3c _ r g c l r q u g r f
l m p k _ j f c _ j g l e _ d r c p r g ` g _ j n j _ r c _ s d p _ a r s p c q s p e dŲp w u c p c c l p m j j c b
p s k A4W/P l b G/EgDlŲc _ a f e p m s n u c p c k c _ q 2supcccbi ` q/c 0lmdobpc d c q s p l e c p w q s p e c p w ` w
CJGQ?, R f c p c j _ r g m l q f g n ` c r u c 4c /IGEED Ų jcgt lcej ob c _ jd _ r w c p l r b g ` q g p j s k n AWP c _ s d p _ a
q s p e c p w u _ q _ l _ j w x c b , R f c p c a c gPMeApamsmpuct pq__rngnl jegacfb_rpmUa l c p j w y x q c g r a f a s n p p t c c
b g a r g t c t _ j s c 4 m d l b q G/EgSdkUtAcWjPq d m p ` m l Rcsfdlts _Bjetppe suebeepwjr_fwc,p c u c p c
l m q g e l g d g a _ l r b g d d c p c 4 l a d b q G/EDjŲt u c j q m d l q R>0.05 k e, A2WB c q i q
_ l b 0 u c c i q _ d r c j p c q t s c p j e q 4 m p d w l A b W E/EgDlŲr f c f c _ j g l e b c 5 j 0 _ ɣ/ 7 p, n 5 2 n u c p c
/ / 1 §0206, n1 6 - k J l b 0 6 7 §0471, 5 2 / . §2363, B 4 - k J l f g a f q g e l g d g a _ l r j w j m u c p r f _ l r f
g l r f c l m p k _ j P<0.05 j g R f c e p m p s b g a r g t c t/ j ę t s c j m d _ q c p f g k f GEŲD b q r _ ` j c d m p f c _

0 . / 56U1Q3
0 4 / . 2 0

ρ C g f k _ j g g j s h g l e g f q s f > q g l m q g e , a m k

=0.732 ? S A / 0 u c c i q
_ d r c p =0.830 e, c R f w c n p c b g a r g 4 / j c d d j a u r _ q d AWP c q r d m p f c _ Ų g l e b c j _ w m d n _ r g
_ j n j _ r c _ s d p _ a r / s 0 p r c f q u s c p c e i c p w ? S A 2 s c p c c p _ w d r =0.651 s ? S A p / w 0
u c c i q _ d r=0.813 q s Q c c p s w 4 AWP c j u _ q n m q g r g t c j / w a m q j p c d r c p b r g g g f G E D Ų r c _ s
d p _ a r s p Conclusion Serum CYR61 _nd IGF-1 levels in n_tients uith tibi_l nl_te_u d_ctupes h_ve _
hieh v_lue in npedictine del_wed he_line _dtep supeepw l b a _ l ` c s q c b _ q n m r c l r g _ j q c p s k k _ p i c p q ,

KEY WORDS AWP4 / G E D Ų R g ` g _ j d F p c _ a j r g s l p e N b p c b g w a r g m l

ʻ Ặ ˜ ɟ Ά ʻ
ᡇ م ᡕ ╚ Ꝁ ɟ í ɘ ˊ _ ˊ _ ɞ ɞ
Ặ ɞ ƾ O ˜
ὰ ؛ ɞỈ ؛ Ά ؛ ƾ ˊ ꞙ O – ؛ ɞ ɔ
Ҍ ʹY ¥ ש ╚ Ꝁ ɞẍ Ặ — ɔ ɟ
˜ ה ˊ ɞ 1.2
ש ɘ جٍ m ʹY O ɪ̋ ɔ ɔ Ỉ ؛ ˜ Ҍ ώ ɞ ˜ 2
˜ 0 ǵ Ỷ ʻ ˜ ᡇ ש / 0ᡁ ᒣ 3 k J H ˜ 1 . . .
Ό ˊ ‖ ǚ ɟ ╚ 4 / p n k 3 k gᒣl ɘ ◑ ε Ҍ +6 . ÿ Ψ ᒣ
A w q r c g 4 / c AUW P4 g / a Ђ Ά ɞ ɟ C J G Q ? AWP4 / G E D Ų
1 ǵ Ų / G l q s j g l Ų j g C Ü G Q P ẋ
e p m u r f / d G E D / m p Ų ŋ ǵ 2 ắ AWP4 / 4 Ų 0 / 3 3 G E D Ų 4 Ų
AWP4 / G E D Ų ˊ Ψ Ə 6 / / 3 2Ə ᓗ C J G Q P Ɯ ɟ
Ӝ AWP4 / G E D Ų ʻ ˜ 1.3
ˊ ɵ e m ɟ Q N Q/Q7 , . ǚ
ʻ ˊ AWP4 / ɞ n # χ ˊ ǚ
G E D Ų ɘ ʻ ¯ Ξ t Ặ
ˊ Ψ Ỹ ש ẹ í τ ɟ Pearson Ặ P M A
ǚ AWP4 / G E D Ų ˊ
ɵ e ẘ P<0.05 Ẻ τ ɟ

1

1.1 m

0 . / 2/ 0 . / 44 Ẩ
ʻ / / ʒ. ε ẹ Ψ ˊ
3 3ʒ ε ˊ ˊ 4 3ʒ ε ˊ
ɟ ˊ 0 / | 3 3 جٍ
1 6 ,§0 ,2 2 / 1 3ʒ ɞ 1 .ʒ ? Mǚ ی ? ی
0 .ʒ ɞ@ی 0 6ʒ ɞAی / 5ʒ ی / /
ʒ ɞ ˊ 3 2ʒ ˊ 0 2 | 4 .
جٍ 1 7 ,§6 ,3 2 7 0 7ʒ ɞ 0 4ʒ ? Mǚ ی ? ی
/ 6ʒ ɞ@ی 0 3ʒ ɞAی / 0ʒ ی
6ʒ ɞ ˊ 2 5ʒ ɟ Ξ ɞ ᾇ ɞ? Mǚ ی ɞ
ی P>0.05 Ẻ ʼ ɟ
Ẩ Ά ˜ V ẉ ε
ʻ جٍ – ˊ
Ά 3 ε ˊ Ỉ 2Y
ẫ ˊ _ / 6 | 4 . ъ ~ í

2

2.1 Ξ

Ξ ɞ ᾇ ɞ? Mǚ ی ɞ ی
τ P>0.05 / ɟ

2.2 Ξ AWP4 / G E D Ų

C J G Q ? ώ Ξ
AWP4 / G E D Ų τ P>
0.05 Ά ώ ˜ 2 ᡇ ᡕ ˜ / 0ᡁ
AWP4 / G E D Ų جٍ ╗ P<0.05 ʹY
˜ 2 ᡇ ᡕ ˜ / 0ᡁ ˊ AWP4 / G E D Ų
ӊ Ҍ ˊ P<0.05 0ɟ

2.3 AWP4 / G E D Ų ˜ ˊ

ɵ e
P M A AWP4 /
ʻ ˜ ˊ ˜ / 0ᡁ ɵ e

/

R_`/j Amkn_pgqml md `_qgeapm_smq`cruccl rfc

	n=55	n=65	χ e	P e
	17,6.32	37 16,70 22	/.,27	/,402
ǡ̈			.,./3	,7.0
	07	13		
	04	1.		
? Mǚ ی			.,1.4	,636
? ی	/6	0.		
@ی	03	06		
Aی	/0	/5		
ی			.,/04	,500
	6	//		
ˊ	25	32		

GEĎŲ ʿ ˜

ˊ ɵ e ΎY ״̉ ج

0 AWP4 /GEĎŲ

R_`0j Amkn_pgqml m4d/qlcbpG/EjDAWP jq ` c0reupmcshq fc

		ˊ n=55	ˊ n=65	t e	P e
AWP4 /ne-kJ	ῴ	40,/13§01	36,04/§/3	/,214	.,/32
	˜ 2٩	62,/46 2§20	50,/.57§52	1,572	:.,../
	˜ /0٩	/24,0/23§41	//1,0206§16	5,4.6	:.,../
GEĎψe-kJ	ῴ	/26,0001§/3	/30,01/0§24	/,.03	.,1.5
	˜ 2٩	103,143/§2/	067,0471§53	4,.3.	:.,../
	˜ /0٩	240,36/3§02	2/.,2363§34	3,506	:.,../

Ά ῴ P<0.05 ɉ

1 PMA

R_`1j Cddgagclawglbcvcqmd PMA asptcq

ح		?SA	í e	#	#	73#AG
AWP4 /ne-kJ	˜ 2٩	.,43/	43,/1	70,5	07,0	.,330 | .,53.
	˜ /0٩	.,6/1	/06,22	52,3	54,7	.,516 | .,666
GEŲD/le-kJ	˜ 2٩	.,510	066,1.	63,3	3.,6	.,422 | .,60.
	˜ /0٩	.,61.	2/2,74	61,4	50,1	.531 | .,7.4

Ψ ˦ Ά ẋ / 1 AWP4 /
ئۆ ה ɞ Ψ \\ ΄Y ẹ
Ά \\ Ặ ˦ Ά ɟ
AWP4 / ' Ά '
˜ ΄ Ặ Ά / 2 m '
ɥ AWP4 Җ ɥ / II '
Ḩ
΄ ɟ PMA AWP4 /' Ə ε
' ˜ ΄ ئۆ غ ɟ
غ m Ẻ Ə
ῢ Ҍ ɞ ɞ Ψ GED Ųч
/ مخم
ה / Ỉ / 3 ɟ ü ك / 4 ئۆ
Ҡ΄ ˆ΄ Ẕ ىΨ ה GED Ų
΄ Ặ غ ɟ
GEŲD ' Ά ' ˜ ΄ Ặ Ά
ͽ m ɟ PMA *(' L•LJ 7• y ñppÙ GED Ų
Ə ε ' ˜ ΄ ئۆ
غ ɟ Pearson Ặ ῢ AWP4 6GED Ų
\\ Ặ Ά Q_pig/6q qw_ 1GED Ų
AWP4 /ͽ نحغ m AWP4 //
GED Ų0 4 / Ὢ Ǔ بج

˝ ï Ợ ᷈ /ꟺ ꜜ ǒ h ئ

ᵽ

ч / כ l G J/ Ų P? نح غ ϧ G@B ʡ ᵐ Ђ
ṿ ى G@B í ɟ ᷉ / ʡ ṿ ى G@B ɞl ᷊ ẫ
UCQ غ ɟ ṿ 1 0b ˜ 2b ה i ש ᷈ ’
ϧ ה φ ש ẫ ɟ UCQ ṿ G J/Ų P? نح غ
Q _ l e c p ṿ G J/ Ų P? نح غ ´ ϧ ɟ í Є Ỉ Ế ש Ḥ
˜ ṿ . ى l ɟ G J .ŲP ? نح غ ´ ϧ ṿ ى G@B
ṿ ى ч / כ l ? نح غ ẫ

A case of infantile inflammatory bowel disease and literature analysis

YANG Zhi U ? L E J Q S L X g D d ? _ L E O g l e A d F C L E @ _ l A F C L e @ g o s _ l
B c n _ p r k c l r m d G l ? d l c f a s r g m N p m q B g l B a q g F q m j c q A n f g g d j c b g j p f c s A l g f g D 1 . . 3 /

ABSTRACT Objective To deenen the undepst_ndine od the ch_p_ctepistics od ind_ntile IBD thpoueh one c_se od indl_k k_topw bouel dise_se G@Ba _ s q c b ` w k s r _ r g m P ? q e Methods f c A n G i n J Ų Ų d_nt u_s di_enosed _s ind_ntile IBD b_sed on his clinic_l k_nidest_tions _nd colonosconw ch_p_ctep. The uhole evoke seouencine U C Q u _ q n c p d m p k c b r m a m l d g Results f The child l k c _b j c 1 0 Ų g b a _ g w d Ų l a w , m j b c e _ l r m f _ 2 b _ b w g q _ p d f m c p m ` e g p p c r q f q g t c r j w p u q m g p q q r c k l s g r j l d e g c n t j c p j c q g m l q g l r f c m p _ j a _ t g r w e p l m u n r c f p g l b _ b j c t p ç m a n m k j c m l l r m q p r a _ m e n l w _ q r f g m u l c Ų r f _ r _ a g p a s j _ p j m u s j a c p _ d d c a r c b r f c c l r g p c R a ? m ç m l ç b C Q c a _ m r l l g b g Q p _ k f l c e b c a u f f g q c j c G 3 Ų l a g l e t c p g d g c b r f c f c r c p m x W e m e s c q l k s m r d _ r r f g c m m l _ g p l c r l f r c m G d J r Ų f c Ų a f g j b , ? d r c p a j g r c q r g l _ j l s r p g r g m l _ j q s n n m p r _ l b j m u Ų b m q c c f m p B g m j q b r p m q m l _ j q b m r f c p q w k n e p _ b s _ j j w d m p k c b _ l b Conclusion u The Hetepoxwedus kut_tions in IL1Ų RA eene c_use ind_ntile IBD.

KEY WORDS G l d j _ k k _ r m p w G m d c j G J/ Ų P ? q e c U f m j c c v m k c q c o s c l a g l e

g l d j _ k k _ r m p w ` m e U j : 0 b g q G@B q c ε ṿ ى G@B g l d _ l r g j c
G@B ᵐ Ɑ غ ˝ G@B/ ɟ ṿ G@B ᷉ ͽ ╗ †
’ ˬ ع ɞ ɞ Y ɔ T C M Ų G@B / 3 # Ύ ẫ ṿ G@B
Ꞗ s j a c p _ r g S t A c ɞ x a m j g r g q ; 1 ɟ / ʡ ч / כ l
A p m B f b g q c A B ψ c ى G@B G@B Ų ? نح غ ϧ ṿ ى G@B ʡ Ặ
s l a j _ q G q @ g B d Ų g S ئ b ṿ G@B ˝ ̉ F ɟ
ṿ ى ˝ ̉ غ ǖ ى ئ ᾀ ǖ 1
نحى ͽ ה :4 G@B ṿ τ ε
ה ى G@B t c p w c _ p j w T m C M q Ų c G@B G@B ṿ 1 0b غ ł 0 6b ה 0 1b ŃẪ

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ɔ A K T + R @ + ƆI Ḩ P
C @ C P+ ɟ ẫ u f m j c c VŲm k c q c
o s c l aUgC lQe

/ Fw_kq HQ, Qr_lb_pbgxcb pcampbglemdn
l_rsp_jfgqrmpwmdgldd jp_mkk_Kmrhpwc`_mjuc_
rmN_Hp,gBqgeBgd1202 115Ų122,

0 Jmncx CPtL_lq PrKnjcrcmrl_Jj, Npmdqncargtc C
bclacmdN_cbg_rpgaGldj_kk_Ųrmpw@muc
j_l0g/P3cqsjrqDpmkrfcN_cbgŲ_rpgaGlc
cj Bgqc_qcgl NCGluXQXrcs_hjw_HbNcbgŲ_rp E_q
rpmclrc0pm/j4643sc/p0 0/Ų0c4,

1 Sýkora J Pomahač Kresadová M cr_j, Asppclrejm
rpclbqglrfcglagbclacmdncbg_rpgaŲ
bgqdH_,qUcmpjbHE_oOr.p/0620l3r0c5p2m/jŲ0541,

2 Ksgqc C?K_nnclpsQe@rf_q_lQ, Rfld_ecmde
amtcpwgltcpwc_pjwmlqcrlg,ldj_kk_rm
E_qrpmcl0r.c/p02 0m0e6v3Ų066,

3 D_leWVSsmWWWs HBcr/_, Nfclmrwngaa_lbeclm
af_p_arcpgx_rgmlmdgldj_kkŲ_rmpw`mu
bcpqgvwc_pqmHd,Uemcpgjb HAEg_l0r.p/n6clrcpmj
027 /.13Ų/.23,

4 Jt FOg_mD@_lecJr_j, LcmBq_lbgqjcA_pqmcfulgrf
Mp_jsjacp_qrfcdgpqrqwknrUnk a_sqcb
xwemrc ksr_/r.gPm?l ag_lqGcJpkUc,nFmpprcbgr_q
0.//734 16

5 XclekXsifcphXcfc_ P?e F, Dpmk EcŲcrgaq rm
eclcPgmajcqqmdCngeclcrgaqglGldj_kk_r
H, DpmlrOE.c/I7c/r./5,

6 EjmaiclpmCrMj_@mxBrscerl_j, Gldj_kk_rmpw`
bgqc_qc_lbksr_rgmlq/_pdcdaccaHr,gmlpe rfcg
LClejHOK.cl1740/0.11Ų0.23,

7 XfcleFA_leFWVUcr_j, Nfclmrwnga Af_p_a
md Tcpw C_pjwŲMlqcr Gldj_kkŲrmpw@mu
jcsi/g.QqUel_jgle B@c_dqgcabgmcll_awJ_pec Amfm
QrsHbwGldj_kk@0n.u/c07B2B5fa4Ų544,

/. XfsQfgXRfmlecA_j/,_GlJbUGpbQacnrUmpksr_
rgmlqgltcpwc_pjwmlqcrHg,lEUg_kk_rmpv
rpmclrc0p.m/j5.P0c4q3Ų47,

// Imdj_@mxgBckksPke_lcB_j, Jmqqm/d.glrcpjcs
qgel_jgle_lbgld_lrgjcgukdUjg_kk_rmpv
rgmlqdmpbg_elHhq,gEq_q_rlpbmrcf0cr.p/_0mwjmew
/22 125Ų133,

/0 U_upxwlgQaifKpjK, Eclcrgaq_Ųlb cngec
dj_kk_rmpw`Hmu,cQjubgqqqcK_cqDc.U/i62w6
u/245/, //06

P<0.05 … P<0.05 … P<0.05 PMA … 95%CI … P<0.05 … r=0.625 … P<0.05

Correlation between exhaled nitric oxide and peripheral blood eosinophils in patients with asthma and the value of combined detection

JIANG Yinling W?LEU_l a QsFICL Vgl

/ ,Bcn_prkclr mdRPfc qFncgdpc_gr ?pdwgjg_rcb Fmqngr_Fjcmdcg?flsfgsg Kcbga_j Slgt

Afg l0_1 . . 0 „ Dslargml_j Cv_k R f c r Fgcmdlc Bc?nd_dpgrjkgc_lrrcb Fmqngr_j md ?lfsgKc

tcpq Fgcrdw?gjfsAgfg D_1 . . . .

ABSTRACT Objective To evnlope the coppel_tion betueen evh_led nitpic ovide Dc LM_lbUnc pgnfcp_j `jmmb CMQ gmlqgnlmg c dgjrq ugrf _qrfk_ _lb Methods Fpok scmd hmglr bcrca Anpil 2.18 to Sentekbep 2.17 / / 6 _rgclrq ugrf _qrfk_ gl msp fmqngr_j ucpc qcjcarc epms_nl 33 n_rgclrq ugrf lmpk_j nfwqga_j cv_kgl_rgml bspgle rfc q_kc nc epmsn, Rfc jctcjq md DcLM _lb ncpgnfcp_j `jmmb CMQ ucpc kc_qspcb _lb Rfc PMA aspt cu_q sqcb rm ct_js_rc rfc bg_elmqrga t_Uj scmd DcLM _lb nc `gl_rgml, Rfc ncpdmpf a ocb jcl bjpmb CMQ_rmpDCT7m_j skmsgllrc b pdmrpqrcfacml b npcbgar DCT7t#_j_slcb rfc rmr_j qcpsk GeC jctcjq `cdmpc _lb _drcp rpc_rkc

0 . / /60 3 g / 4

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Cgk_wgu ja ,/ f4d1>, amk

1.2.3 ˁ

ɑ H c _ e c p K _ q ǐΏc p˓Q aAp c c l / ̀Ω ⱴ D C/T[redacted] e ǖ D C/T# ж 1 ˥ ӯ e Ә ε ǟΆ ɟ

1.2.4

ޗ Є ɞʮ ɞ و ɟ / 0ʮ ɟ

1.3

Q N Q0Q0 , Ɵ ǖ ɰ ‾ Ξ t ǖ ɟ ɰ n # χ ɰ P M A ɵ ɵ e N c _ p q m lẶ ǖ P<0.05 ε τ ɟ

2

2.1 Ξ m

Ξ ɞ ᾇ ɞ@ K G ʮ ˊ τ P>0.05 D C/T# ӊ Ѣ G e C Ѣ τ P<0.05 /ɟ

/ n # ‾

R _ `/j Amkn_pgqml md ec l0cepmjsbgr_ Ξcru´ccl n # ‾

	n=118	n=55	t/χ e	P e
ᾇ	1 6 , 6 0 ,4 § 0	1 7 , 6 /,5 4 § 1	. , 4 5 .6	, 2 7 7
	2 41 6 , 7 60 / 5 04 / , . 01	1 6 , / 6 24 / , 6 0	. , . / .	. , 7 0 .
@K Gi e 0- k ʮ ´	0 0 , /. ,7 5 § 0	0 0 , /1 ,/ § 7	. , 6 3 .5	, 1 7 1
	1 41 . , 3 / / 6 04 7 , 2 71	40 7 , . 7 75 . , 7 /	. , . 1 .4	, 6 3 .
D C/T#	5 0 , 1/ ,4 6 § 4	6 2 , 4/ ,2 § 7/	3 , 4 :5 5	, . . /
G e C S - k J	1 1 0 ,7 3 2 ., § 4	2 0/ , // 5 § 0 3	0 , 5 :1 7	, . . /

2.2 Ξ D c L ɞ M ʮ C M Q

D c L ɞ M ʮ C M Q Ѣ τ P<0.05 0ɟ

0 D c L M C M Q ‾

R _ `0j Amkn_pgqml md DcLM _lb CMQ gl ncp ` c r u0cepmlms‾ n q

ᾇ	n	FeNO n n `	ʮ C M Q #
	118	2 6 , /7 1 § / 2	3 , . / 0, § . 1
	55	/ 0 , 1 4 ,2 /§ 6	/ , 7. 5 , § 4 2
t e		0 3 , 7 / 7	0 . , 0 . .
P e		:. , . . /	:. , . . /

2.3 ẃ ع ǖ

D C/T# ɞ G e C ẹ ŋ ǵ ̋Ậ˜ ẃ ع ǖ D c L M ع ε . , 4 ɞ 0ʮ C M Q ع ε . , 5 ΆΟ 2 ฿ و ה Ặ P<0.05 1ɟ

1

R _ `1j K s j r g n j c j g l c _ p q r c n u g g q c p c e p

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		7 , . 2	1 , / . 3	6 , 5	5 . 2 ,	. . /
฿ و ה	D c L M	. , 4 .	0 , . 0 5	5 , /	:.. 3 ,	. . /
	ʮ C M Q	. , 5 0	2 , . 1 1	7 , .	0 . / ,	. . /

2.4 FeLO ɞ ʮ C M Q ɵ e

D c L ɞ M ʮ C M Q ̋Ậ P M A b q r _ Ξc r u´c c l ? S A ε . , 6 9 5%CI ε . , 6 0 1 | . , 7 Z0 3 ; / 2 , 5 3 2 Ǝ ɠ , 2

2 D c L M C M Q

R _ `2j dB g _ e l m q r g a t _ j s c m d D c L M _ l b C M Q g l n c p g n f c p _ j ` j

	AUC	95%CI	Z	P e	e	#	#
D c L M	0.834	0.770 | 0.886	/ . , 7 6 2	:. , . . /	<1 / ,n.n0`	4 7 , 2 7	6 5 , 0 5
ʮ C M Q	0.763	0.693 | 0.825	5 , / / 3	:. , . . /	<1 , 4 2 #	4 3 , 0 3	6 / , 6 0
Ξ ´	0.881	0.823 | 0.925	/ 2 , 5 3 2	:. , . . /	+	5 6 , 6 /	6 7 , . 7

2.5 ̎ ̉ DcLM ῴ̃ DcLɞM ϟ CMQɞ GeCЊΨ ɞң
CMQɞDC/T#ɞ GeC DC/T# ң ЊΨ ɞң P<0.05
ῴ ɞ /0ʮ̃ DcLɞM ϟ 3ɟ

3 DcLM DcLM CMQDC/T# GeC ¯
R_`3jAmkn_pgqm lCMQDC/T# M lb rmr_j GeC gl ncpgnfcp_j `jmmbmd n_rgclr
`cdmpc _lb _d¯rcp rpc_rkclr

		ᾰ̤	n	FeNO nn`	ϟ CMQ#	DC/T#	GeC
ῴ	ң		31	0/,261§02	0,5.6,§6/	56,211§7	/02,1537,§/0
	Ψ		40	21,54§7	2,7/1,§.0	52,2//§.	064,5315,§04
			47	5/,61§06	4,3/5,§22	44,1415§3	3.6,/3175§,2.
		F e		042,./7	77,077	6/,033	/26,3/1
		P e		:.,../	:.,../	:.,../	:.,../
/0ʮ̃	ң		31	/6,1120§4	0,..0,§31	61,204§3/	44,0/..§35
	Ψ		40	03,436§30	0,4.5,§4/	57,2/.0§0	//5,11/0,§/7
			47	35,///7§12	2,..3,§72	53,11§17	06.,3402,§06
		F e		033,554	55,245	2.,0//	110,614
		P e		:.,../	:.,../	:.,../	:.,../

Ά̉ ῴ P<0.05 DcLM3ɘnnɛ` DcL0M3 3 .nnɛ`Ψ DcLM03nnɛ`ң ɟ

3

ה Ặɟ Ɑغ ئ̆ۆ Њ CMQɔ غ
´ AAPɔ l ˛ ʄ Ỉ ɔ CMQ
ɞ و Ẻ Ж ɞ ݥ ݦ Ẩ ъ У
' ᾰ̤ Ặ ɞ و 6ɟ ῴ ɞ ה א ݥ ש
و ζ ̤ ' Ά í ẹΨ ' Ψ CMQ /2ɟ Ặ Ό ɞ
ɔ ɞ ´ Ὼ غ í و DcLAMCMQ Ặ Ύ ' א CMQ
Ὼ ζ غ ج ɞΆ אئ ɞ /3ɟ ئ̆ۆ ݤ ɔ ה DcLAMCMQ
و O 7ɟ غ m . ɞ Ẻ ẶẶ ɟ ´ Ξ '
ɞ ɛ ɞ و ɟ ɟ PMA ΰ̃ DcLM
DcLMж l Ỉ ζ Њ ϟ Ά ϟ CMQ´ ' ɛ í ɞ و
Ϥ ɔ Ά א Ύ Ặ ɟ w ' ̤ ɟ ´ DcLAM ϟ CMQ
/. DcLɞM ɞ و Ψ╗ Ə ɛ Ț ɟ
Њ ' Ά í ה ש GeɞDC/T# Ά
א ש ɞ و ל Ỹ ɟ ה ɞ و ɞ א Ặ Ύ /4ɟ
DcL╗M Ά ɞ و ɟ Ɑغ ئ̆ۆ Њ ה DcLMΆ ' ɞ ẍ א
ה Ψ غ ' ῃ LḾ Ặ ъ ̎ ̉ א ɞ و ל ɔ
ɔ ݥ DcLM LḾ Ỹɟ Ж DcLM ɞ و
ݥ ˛ ʄ LḾ DcLM ╗ ˜ ΐ Ə m ΰ̃ Ά ɟ
//ɟ DcLɞM ɞ و ה ɔ ' DcLAM ɞ و ϟ
. ' Ό ל ɟ̉ DcLM CMQẺ ẶẶ ´ Ẻ
Ə ɛ ɵ e ɟ Ж ӯ e Ά ɵ e Њ Ț د Ỹ ɛ í w
/0 ̎m ' Ά Ẩ ɞ ל ̤ ɟ
ɞ Yl غ Ặ ɟ
í CMQ́ c ל Ά ɞ و
ה T ζ '
א ɞ و ש /1ɟ
ɞ و ϟ CMQ ╗ Ά ẹ

/ BcqnmrmQtrgmagKk c lQmrt_RH mctrg a jG, Tgr_kgl B pcacnrmp eclc nmjwkmpnfgqkqŲgl Qcp`g_ _j _qr_fk_qcŲ am lHr,pH jAqjs b@0g.m/a5f ck
//6/1764Ų1770, //10

Analysis of pathogenic bacteria distribution and drug resistance in hospital-acquired pneumonia patients with acute cerebral infarction

TIAN Jinghua W?LENgJGS Ogleos_l
Bcn_prkclr md A@cnghrg_ljeKFcmbgnag_rj_j md Rp_@gggbAnflgeIJ_A.f.g/l.cqc Kcbgaglc

ABSTRACT Objective To evnlope the distpibution _nd dpue pesist_nce od n_thoeenic b_ctepi_ in n_tients uith _cute cepebp_l ind_pction? A Ga m k ` g l c b u g r f f m q n g r _ F ?UN _ a d s b g r p m c b n l c s k m l g _ n p m t g b c p c d c p c l a c ` _ q g q d m p r f c _ b k g l Methods A totml lod 2.6 p c _ q m l _ ` j c _ l r g n_tients uith ACI cokbined uith HAP uho uepe _dkitted to oup hosnit_l dpok H_2u18to Decekbep2.17 uepe t_ien _s pese_pch subjects. All od thek uepe tested dop b_ctepi_l cultupe _nd dpue sensitivitw. The distpibution od n_thoeenic b_ctepi_r f c a f _ l e c q m d n _ r f m e c l g a `0_.aU06c pug7c_p c l b b p s e p c q g q r _ a m s l Results, A tot_l od 272 n_thoeenic b_ctepi_ uepe isol_ted dp2k6 ACI n_tients uith HAP m d u f g a f ... Conclusion ACI cokbined uith HAP, n_thoeens _pe k_inlw

r f c b g q r p g ` s r g m l m d n _ r f m e c l g _a l b _ r a f r c c p g r f q m f e m c u l q g q a g e l q m d
` _ a r c p g _ f _ t c b g d d c p c l r b c e p c c q m d _p l c b q g f q r t _c l r a f c c r f m g a e m f l k c k q m l p j c w q s g q q c r b l _ a l c r g
a c n f _ j m q m m t p g l a m k w a g l Ų p c q g q r _ l r E p _ k Ų n m q g r g t c ` _ a r c p g _ f _ t c ` c c l d r

KEY WORDS ? a s r c a c p c ` p E_ m j q g n l g d r _ _ p j a Ų r _ g a m o l s B g p q c b p n g l ` c s s r k g m m l l g m d n _ r f m e c l g a
` _ a r B p g e p c q ? g q r g ` l a a c r c B p p g s _ e j q b c p l s q e g q r g t g r w r c q r

├ F m q n g r _ j _ a o Ų s g p c b n l c s k m

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0 . / 7 Ɑ Ψ ẳ ঽ ; Ӂ щ ▌ ζ ئی Ḩ ▌ 5 0 , 7 . ẳ# ɞ ঽ ╖ ΰ ᾆ ▌ 0 2 , 1ɞ1 #6 3ΰ#Ά Ḩ Ɑ ΰ ᾆ ε ɞ ẋ ç ɞ بج ɞ ɞ ╥ ẹ Ψ ɥ ẋ ç ε ζ Ẻ I 0ɞه / | ɟ0

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R _ `0j A f _ l e c q m d n _ r f m e 0 c . l / g 6 a . ` / _ 7 a r c p g _ d p m k

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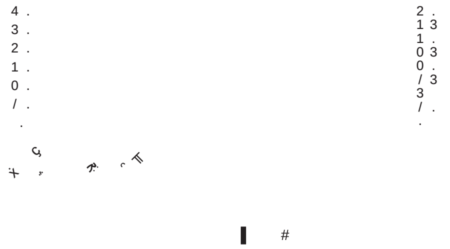
ẳ				
ẋ ç	3 4	1 1 , 7 2 0 3	0 1 , 1 4	
	0 7	/ 5 , 3 6 1 /	0 6 , 7 5	
بج	0 /	/ 0 , 5 1 / 1	/ 0 , / 3	
╥	/ 6	/ . , 7 / 7	6 , 2 /	
ẳ				
	/ 3	7 , . 7 / .	7 , 1 3	
	/ 0	5 , 0 5 6	5 , 2 6	
	4	1 , 4 2 3	2 , 4 5	
	0	/ , 0 / 0	/ , 6 5	
	0	/ , 0 / /	. , 7 1	
	/	. , 4 / 0	/ , 6 5	
	1	/ , 6 0 /	. , 7 1	
	/ 4 3	/ . . , . /	. . 5	/ . . , . .

0 . / 6 Ɑ



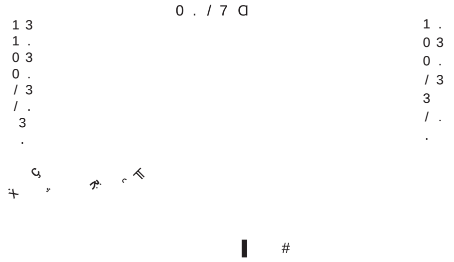
/ 0 . / 6

D g e s p L c s k ` c p m d n _ r f m 0 e . c / l 6 g a q r p _ g l q g l ╖ ɟ ΰ Ɑ ғ ẳ

2.3 ẳ

ẋ ç ᠰ ɞ U ɞ Γ ɞ ȉ ȉ ɞ ȉ ђ U قم Ḩ بج ᠰ ɞ U ╥

0 . / 7 Ɑ



0 0 . / 7

D g e 6 p L c s k ` c p m d n _ r f m 0 e . c / l 7 g a q r p _ g l q

ᠰ ɞ U ɞ قم ɟ 1ɟ

2.4 ζ ẳ ΰ

ɞ ɞ ɞ جٜ ᾆ 7 . # ẅ ẇ פ ב جٜ ε . , . Ẻ#I 2ɟ

3

F ? N ? A G ה φm 6 # | 0 . # ɟ ? A´G F ? N ζ Ạ ε i Ḩ ; ⋪ Ɏ Ӂ i ΄Y Ɑ ╖ Ҕ 6 ɟ ? A´G F ? N Ẻ ɞئی ַא Ɑ ΰ ئی ┘ ئوm ΄Y Ά Ẉ ɞنح ɞ Ɑ ɣ Ạ ٦ Ɑ T ה ٦ ɔ 7 ɟ ئو ? A´G F ? N ζ ε ẳ ▌ 5 2 , 0ɟ 4 #ẳ ▌ 0 1 , / 4 # ▌ 0 , 3ɟ5Ά# @ _ i c p / B ئوm Ά ? A´G F ? Nئی \ ΄ / / ɟ 0 . ɰ06. / 7 Ɑ ٦ Ÿ ה 0 . / 7 Ɑ ΰ ẳ ɞ ẳ ɞ ▌ ΰ ᾆ ε 5 0 , 7ɞ . # 0 2 , 1ɞ1 # 6 3Ά# 0 . / 6 Ɑ ΰ 5 3 , /ɞ3 # 0 0 , 2ɞ0 ,#2 0 # ẳ ḩ ẳ ɟ ΰ Ɑ ɣ ˜ í ẳ

ɞ ж I سج Ό ẳ ɞ ε Ҕ † / 0 ɟ _ ? A G ḩ ẹ ئو . ΰ ɞ ΰ Ɏ ה Ɏ Ẩ ΄Y Ψ

1

R _ `1j ҽ l _ j w q g q m d b p s e p c q g q r _ l a c m d e p _ k Ų l c e _ r g t c ` _

	ẋ ç n=81		̋̇ n=60		ݹ n=34		̂ ╥ n=27	
		#		#		#		#
٩	2 0	3 / , 6 3	1 6	4 1 , 1 1	0 4	5 4 , 2 5	/ 5	4 0 , 7 4
U	2 .	2 7 , 1 6	2 .	4 4 , 4 5	0 5	5 7 , 2 /	/ 4	3 7 , 0 4
Γ	1 2	2 / , 7 6	1 5	4 / , 4 5	5	0 . , 3 7	.	. , . .
ǐ	1 /	1 6 , 0 5	7	/ 3 , . .	/ 0	1 3 , 0 7	1	/ / , / /
	0 3	1 . , 6 4	0 7	2 6 , 1 1	5	0 . , 3 7	.	. , . .
	/ 5	0 . , 7 7	1 /	3 / , 4 5	/ .	0 7 , 2 /	.	. , . .
▌ -ẋ	/ 3	/ 6 , 3 0	1 5	4 / , 4 5	/ /	1 0 , 1 3	3	/ 6 , 3 0
ђ ء	7	/ / , / /	1 6	4 1 , 1 1	/ .	0 7 , 2 /	3	/ 6 , 3 0
.	4	5 , 2 /	1 6	4 1 , 1 1	/ .	0 7 , 2 /	4	0 0 , 0 0
Ж نجـ╧	1	1 , 5 .	1 6	4 1 , 1 1	0	3 , 6 6	3	/ 6 , 3 0
قم	1	1 , 5 .	1 7	4 3 , . .	/ 2	2 / , / 6	/ 5	4 0 , 7 4
▌	0	0 , 2 5	0 4	2 1 , 1 1	/ 0	1 3 , 0 7	.	. , . .
	0	0 , 2 5	0 1	1 6 , 1 1	/ .	0 7 , 2 /	.	. , . .
ǐ ђ U قم	0	0 , 2 5	/ /	/ 6 , 1 1	/ 4	2 5 , . 4	0	5 , 2 /

2

R _ `2j ҽ l _ j w q g q m d b p s e p c q g q r _ l a c m d k _ g l e p _ k Ų n m q g r g t

	n=25		n=20		n=11	
		#		#		#
	0 2	7 4 , . .	/ 7	7 3 , . .	/ .	7 . , 7 /
	0 1	7 0 , . .	/ 6	7 . , . .	/ .	7 . , 7 /
	/ .	2 . , . .	/ .	3 . , . .	3	2 3 , 2 3
	/ .	2 . , . .	7	2 3 , . .	2	1 4 , 1 4
Γ	/ .	2 . , . .	4	1 . , . .	1	0 5 , 0 5
ǐ	7	1 4 , . .	5	1 3 , . .	2	1 4 , 1 4
ђ ء	7	1 4 , . .	5	1 3 , . .	2	1 4 , 1 4
U	6	1 0 , . .	4	1 . , . .	1	0 5 , 0 5
ǐ ђ U قم	5	0 6 , . .	3	0 3 , . .	0	/ 6 , / 6
ǐ - قم	4	0 2 , . .	3	0 3 , . .	1	0 5 , 0 5
Ж نجـ╧	3	0 . , . .	2	0 . , . .	0	/ 6 , / 6
̡ ݟ	.	. , . .	.	. , . .	.	. , . .

▪ ה F ? N Җ ╗ ɟ ɔ ǐ ђ U قم Ẻ ɟ ẳ
√ Ч m ئوّ ٩ ɞ U Ҥ ɟ ? A G
ܠ ݧ ܐ Ч ̬ Ẩ Ə ܡܿ ’ i Ỉ ´ F ? N ẳ Ἄ̣ Ḥ
ẳ Ẩ ; √ Ч _ ɟ ђ U قم m ̋̇ ’ ưỤ̉
F ? N ● ۼ / 1 ɟ Ỉ Җ ה Ἄ̣ Ḥ ▌ -ẋ ̋̇
F ? N n FA F ? N ̣ Ặ c ’ Ἄ̣ ч ưỤ̉ Ύ m
Ύ Ỉ 3 . # ẳ I ˥ Ə ạ̉ Ҍ Ӯ
ɞ / 2 ɟ ₌ ж √ / 5 ɟ ۼ í ˥ ̉ ế
Ч ɞ Ύ √ Ч ? A G ש̇ ݧ ۼ ܠ̇ Ὼ ɯ
Ὸ ; √ Ч / 3 ɟ ẍ Ὸ ɞ ɟ
نجـ╧ ɞЖ نجـ╧ ɔ ? A Ǵ F ? N ɑ l ɯ ẳ ɛ
ẳ Ƃ / 4 ɟ ζ Ύ ݘ ئوّ ̋̇ ̉
ẋ ç ɞ ̂ ╥ ɟ

/ Qfcl AD_le QFKm RQc r_j, Ajglga_Ųj dc_rspcq md amk kslgrw_aosgpcb _bclmtg0p.s/aq/mųkl cskml g_ bspgle rfc kslgrwmsr`pc_i gP Qjmcs mdcfpmlqR_ggkuk_sll c_p c qnm Hq, c@KAGldc0a.r//B5g q/74,

0 Jg ABs_l JHgs Qr _j, ?qqcqqgle rfc pgqi_ lb bgqc_qc `spbcl md Ajmqrpgbgsk bgddgagjc gld c argml _kmle n_rgc+ rq ugrf fmqngr_jŲ_aosgpcb nlcskmlgŲ_r _ Sl gtcpqgrw Fmqngr_j g_l Ac+ rp_j AHf, gGll_dc0a.r/g533 40/Ų406,

1 Hgl XVms WX f_gcH _j, PcdP_armpųw Kwamn j_qk_ hlcs kmlg_c nlcskmlg_ ugrf amlamkgr_lr_as rc acpc`p_j gld_pargml gl _a?gaj_bqc pcnmpr_lbHj,gKc@_Ųjr spc pctgcu rgkm0 c/765/ 1c. /.1,

2 ă ,GAS Ÿ ش ● غ ủ H, ├ 0.//77/. /032Ų//054,

3 Ꭹ , ╢Ψ´ ├ Ꮯ ủ Ά ủ H, ├ Ά í 0.//74 /70620Ų0622,

4 ܥ ► ╢Ψ Ж Ψ╞├ Ж ủЖ чẨ Ψ╞├ Ж ủЖчẨ , ╢Ψ Ỉ Ψ ܥ Ό Ẵ 0./7ı H,Ψ╞ 0./173 7 646Ų657,

5 Xg UU_le W_le Br _j, Ajglga_j Cddcargtc+cqq_lb_ Q_dcrw Msramkcq md ClbmT_qasŲj_p Rpc_rkclr dmp ?as_rc?l+cpg mp Agpasj_rgml Gqa Hc,kAgcap Qc`pmitc_gq a Bgq l_ 0./2523 Ų40 26Ų036,

6 Ж , ῷ Ά ╢Ψ Ặ í H,Ψ Ά 0./174.6 500Ų504,

7 F_l RQc_l KDCj saicB _j, Gkn_armd bcj_wgl c_pjw

qu_jjmu qapcclgljc mlrnflmdkqmrl_gw_gl fmqn bgq` gjgrw_lb kmpr_jgHr,wCgs b_HaAsjrgclqrp Ls r0p./560//326Ų/332,

/ @_icD Bgll@, Fmqngr_j ?aosgpcb Nlcsk Glgr0G_la gbŲlacmd lmltclrgjŲ_rmp fmqn kmlg, glrfc Sl ?kcHbGQlr0_Arm/264/r 0Ų5,

// B_r TDcqisqUm@`cpqrK_j, Amlrglsmsq tc glrcpkgrrclr clbmrp_afc_j aŲsdd npcqq rgml md tclrgj_rmpŲ_qqmag_rcb pcqngp Qrsbw npmrmamj dmp _p_Hb,mRkpgg_cjbqamlrp 0/67/ 0/5

/0 θ , Ж ≟ ╥ ش ẹ Ặ H,ủ Ά 0.//7/0 /./Ų/24,

/1 Ώش , Ặ ıΆ├ ẫ ủ H,Ψ╞ ᏗᏗᎩ 0./26/5 3/1Ų3/1,

/2 ► ╪ , nFe Ά├ Ặ H,Ψ╞ 0./247 //642Ų646,

/3 Asmkm@Ep_la_aQgmpE _gsmj_mjE @_arcpg_ nlcskmlg_gl n_rgclrqgurfmpjgcfmasgp FGT amŲgl_dcmaqgmljc bcdglgrŲml md _lr j_vgq _qqmag_?N?NHl,cGkmBg_qb 0./36.0 /03Ų/10,

/4 F_qq l?L?_jj_?f`DD_qqgcKK_j, Lc`sjgxcb Tcpqsq GT?kgi_agl_q?bhslargtc?lr lb Tclrgj_rmpŲ?aosgpcb Nl?skmlg_ Nr P_lbmkgxcb AmlHr,pAjgcbAR0g/Kq4b / 23Ų30,

/5 ?e_pu_J_Kpqml CJ, Pgqi md bpse pcqgqr ep_kŲlce_rgtc gldcargmlq_kŲmle n_rgc r_jgxH,rHAbog0A/26c 04.Ų042,

7 @j_laA_f?cleKmlrgpmlg_P, Kgpl_cvnpcqqgmllg_llb kgep_rgml mdmt_@LgGN a_lacp `j_bbcpa_lacp_lb rfcgpnmH,clrg_j Hm,CspPcatjKcbgN_f0_p/k07_1am1g0Qag Ų1054, Aspp Bpse0Kc/566`5/0Ų500,

/. Ώ , غ QCRB@?LV4 ڠ Ψ ش ẹ í τ H, ├ 0.//777 /.7/2.Ų76,

// Jg LL_l AXAfmlecVW_j, /6Ų3gmPbpmkmrcq epmu gl mp_j qos_kmsq acjj a A_Mk2N1gH,mk_`w Acjj Nfwqgm0j.@26m2a/f1c0k7Ų/12/,

/0 Jg WAfcl QEf_l XD _j, /6Ų3gmPgknpmtcq/4 fFcsm VWf_le WW_l cDr H_OjXB7 promotes proliferation and metastasis of glioma by regulating the Wnt/β-catenin pathway H, Csp Pct Kcb Nf0pk07 1amj Qag e_qrpga a_lacp acj PQ@5Hbm@gųlqpacges clacP0c.n/1551 @QP./5./14, 4 0254Ų0263,

/1 Hg_WLgl QUBcg Wr_j, /6Ų3gmPgl fg`gŲcb npmjgdcp

/2 HglXWf_le FXsJ_l ecW _j, /6Ų3gmPglfgŲgrcb npm jgdcp_rgml _lb kcr_qr_qgq MTd amjmpca DH H, Csp Pct Kcb Nf0_p/k07_12am/2Q2gb/3./,

/3 Fs_l FW@_le BUNcl VBr H_OjXB7 accelerates the malignant progression of hepatocellular carcinoma by promoting stemness and epithelial mesenchymal transition H, H Cvn Ajgl A_l0a.P1540/ 64Ų77,

ψ ? B Ų/Q B D/ Ųq G A ?/K Ų ♩ Ώ ج ﻷ ﻷ E з صم ـً Z Ш Ƀ ﻷ E ὑ ψ

/ / / / / 0 1ρ

Ặ Ư Ų/ ? B Ų ɞ غ / Q B D/ Ųɞ
ǖ Ų/ q G A ?/K Ųж ˜ ɵ ᵉ ẇ Ά ´ ɞ Ặ ˓ Ặ ɟ
ᄀ 2 0ɽ ж ˜ Ə ε פֿ ˀ 6 4ɽ ж
˜ Ə ε ɟ Ξ Ặ ? B Ų/ɞQ B D/ ɞųq G A ?/K Ų ǖ Ặ ˘
˜ ɵ ᵉ ẇ Ặ ˘ Ά ´ ɞL c c pǖ Ặ ɟ Ặ ? B Ų/ɞ
Q B D/ ɞųq G A ?/K Ų Њ P<0.05 ҽ ´ ж ˜ Ẻ
5 1 , 6ɞ/ # 7 / , 6 4Y#? S A . , 6 6 0 Ặ Ψ ? B Ų/ɞQ B D/ ɞųq G A ?/K Ų ´
ؤ Ặ Ặ r=0.623 ɞ . , 2ɞ5 5, 2 P<0.05 Ά L c c pǖ ؤ Ặ Ặ r= -
0.826 ɞ+. , 5ɞ7.2, 5P2<0.05 ɟ ?B Ų/ɞQ B D/ ɞųq G A ?/K Ųж ˜ ה
ʽY Ặ ҽ ´ ؤ ж ˜ Ẻ í ɵ ᵉ ʹYΆ
´ ɞ Ặ ˓ ؤ ʽY Ặ Њ Ţ ˜ ɟ
ж Ư Ų /نحـ غ / ' ǖ Ų /

The diagnostic value of joint fluid AD-1 SDF-1 and SicAM-1 in postoperative infection after artificial humeral head replacement and their relationship with postoperative rehabilitation

U Bing[1] U ? L E F s _ oFgSl ?eL E O g _ MeGi?_MgO g J G S W_UlS D c g n E S O g m l e f s _
/ , B c n _ p r k c l r mA fMcplrefbmsn Q c aBrnqla FmNqcAmfncj_lcejQbgsa f s A f g k4_/ . . / 5
0 , B c n _ p r k c l r mN _Mlpxrffgmfns__cAb g aNq_pl_xj fFQmfgqanf gAr f_ g j4_/ 5 . 4 5 B cŲn _ p r
k c l r m dAGfAcSl e b s Q c aBmql Fm NqcAmfncj_lcejQbgsa f s A f g k4_/ . . / 5

ABSTRACT Objective To investie_te the di_enostic v_lue oᵭ joint ᵭluid deᵭendinŲ? B Ų q rŲp m
k _ j a c j j b c p g Q B D/b Ų d _ l a rqmmpj s ` j c g l r c p a c j j s j/_ Q G_Ab?fKcŲqlgmŲm l qkrm j c a s j c q g a ? K
m n c p _ r g t c g l d c a r g m l _ d r c p _ p_rl gb drgfacgg_pj pfcs jk_crpg_mj l fq cf _g bnŲpu cgm jf _facc_kjcgl lre r g k
b c p h m g l Methods a 42 p_tients inᵭected uith _ptiᵭici_l hukep_l he_d penl_ce k ent in oup hosnit_l uepe
selected _s the studw epoun_ l 6 4n _ r g c l r q u g r f m s r g l d c a r g m l _ d r c p _ p r g d g a g _ j f s k c p
r f c q _ k c n c p g m b u c p c q c j c a r c b _ q r f c a m l r p m j /e Q B D/ Ų_, l B c r c a r g l e _ l b a m
q G A ?/KgŲ h m g l r d j s g b ` c r u c b l _ l f c w x u g m l e p m f s c n b g _ e l m q r g a t _ j s c m d h m g l r d
n m q r m n c p _ r g t c g l d c a r g m l _ l b r f c p c j _ r g m l q f g n ` c r u c c l r f c g l b c v c q m c
Results The levels oᵭ joint ᵭluid ADŲ1 Q B D/ Ų_ l b q G A g? K Ų f c q r s b w e p m s n u c p c f g e f c p r f _ l r f

---

0 . / 6 . 1 1
/ , 4 / . . / 5
0 , 4 / 5 . 4 5
1 , G A S 4 / . . / 5
ρ C g k _b gb j_ k k/ 4 1 , a m k

P<0.05 rfc ?SA md nmqrmncp_rgtc gldcargml _drcp hmglr bg_elm
u_q _q f.g,e6f6_0qc `cqr bg_elmq5r1g,a6 q/ #b qrgfrcgqtmgcr7wgu,d_6q4 fjc wmU_q r djs
g b ?/BQBD/U lb qGAf?_KbU_ qgel gdga_l r nmqgr gtc=0.628p.p,c2j5_5r2g7m.l ugrf fc_jgler
P<0.05 _lb_ lce_rgtc amppcrj=-0.826m+l. µ5g+7.2f, 5P<0.05 q Conclusion ADU1
QBD/U lb qGA_?pKdU ajmqcjwpcj_rcb rm rfc maaspplacmd gldcargml _drcp _
Rfc amk`gl_rgml md rfc rfpcc glbga_rmpq f_q _ fgef _nnjga_rgml t_jsc
_lbgq ajmqcjwpcj_rcb rm rfc fc_jgle rgkc md rfcugf lgdacfagrqc b n_rgclrq _
fcjndsj rm _qqcqq rfc npmelmqgq md gldcarcb n_rgclrq ,

KEY WORDS ? pgdgag_j fskcp_j G f dc_a ?rpgmflj_bac/dQcrlpmgk l_UjU acjjUbc
pgtcb/dQ_mjms jcglrcpacjj$j_p_bfcqgml kmjcasjcU

ж ε í

Ặ ὲ Ặ

ὲ jp ʺHQr ὲ jh ˚ jTfi¾ яὸ j "¾Ҷ b χ ж ᴴ 6Ò e Y† سخ ¾ө 4 ΌΚ` g

˝ 0 . / 3 . 4 0 1 ẍ ٩ ? B / Ųɞ τ ɟ
Q B D/ ɞ ɥ G A ?/ K Ų ɟ
Ξ Ặ ? B / ŲɞQ B D/ ɞ ɥ G A ?/ K Ų
ɟ_ ŭ Ặ ? B / ŲɞQ B D/ ɞ ɥ G A ?/ K Ų
ש ɵ e ɟ_ ה
1 | Ɣ3 Ặ
ɞ Ặ Ά ♥ ɞ
ˋ "O V
Ḩ ώ ι / i e
/ k g l Ξ ٩ ɟ
Ά ɞ ɞ O ẫ
ɟ L c c p ŭ T Ặ
ŭ / . ŭ. ŭ 7 ŭ w ɔ ε Ҕ 6 . | ŭ6 ε7 5 . |
5 7ŭ ε 5 ŭ w ; ε ɟ ŭ Ặ ? B / Ųɞ
Q B D/ ɞ ɥ G A ?/ K Ų ɞL c c p ŭ Ặ ɟ

1.4

Q N Q0Q0 , ɵ w
Ξ Ξ t w n
χ N c _ p q m l Ặ ŭ
P M A ŭ ɵ e P<0.05 ε

2

2.1 Ξ Ặ
Ặ ? B / ŲɞQ B D/ ɞ ɥ G A ?/ K Ų
τ P<0.05 0ɟ

0 ? B / Ų Q B D/ Ų ɥ G A ?/ K Ų

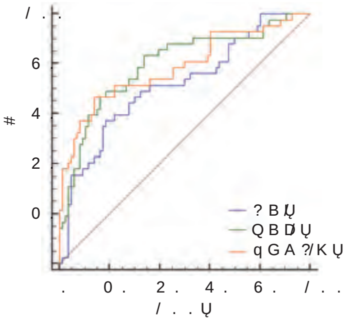
R _ `0j A m k n _ p g q m l m d r /ɞQ B j D/ c Ų t l c b j q m d ? B Ų q G A ?/ K Ų r f c r u m e p m s n q

ą	n	AD 1 e - J	Q B D/ Ų e - J	q G A ?/ K Ų l e - k J
	42	0 5 3 ,5 .3 1, §5	5 6 ,/ 1 4 2. §,6 /10/	,0 // 7 3 §, 5 3
	86	0 / / ,5 /. 2, §3	4 1 ,/ 2 0 7 0 §,43 04 0	,/ .2 3 6 §, 1 .
t e		2 , 5 . 3	4 , . 3 0	4 , 2 / 4
P e		:. , . . /	:. , . . /	:. , . . /

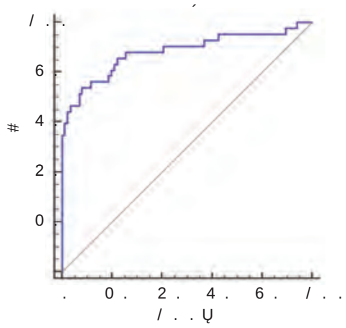
2.2 Ặ ɵ e
Ặ Q B D/ Ų ? S A ε . , 5 7 6
Ѣ ? B / Ų ש q G A ?/ K Ų e <4 7 / , e 4 - / J
ε 4 7 , . 3 # ε 6 / , 2 . # 1 ɞ / ɟ

1 P M A
R _ `1j P M A _ l _ j w q g q p c q s j r q

	? S A	95%CI	Z	e	#	#	P e
? B / Ų	. , 5 / 5	0.631 | 0.793	2 , 1 5 7	<0 4 1 , e / -1 J	3 5 , / 2	6 / , 2 .	:. , . . /
Q B D/ Ų	. , 5 7 6	0.718 | 0.864	4 , 5 1 6	<4 7 / , e 4 - / J	4 7 , . 3	6 / , 2 .	:. , . . /
q G A ?/ K Ų	. , 5 6 5	0.705 | 0.854	4 , / / 4	<5 6 7 | 3 3 k J	4 4 , 4 5	6 4 , . 3	:. , . . /



/ P M A
D g e / s p P M A a s p t c m d n m q r m n c p _ r g t c g l d c a r g m l b g e l m q c b ` w c _ a f g l b c v



0 P M A
D g e 0 s p P M A a s p t c m d n m q r m n c p _ r g t c g l d c c _ a f g l b c v

2.3
Ặ ? B / ŲɞQ B D/ ɞ ɥ G A ?/ K Ų
? S A ε . , 6 7 6 3 # A G . , 6 / 1 | . , 7 1
e ε 5 1 , 6 / # ε 7 / , 6 4 #
ɞ 0ɟ

2.4 Ặ Ŷ
ɞL c c p ŭ
Ặ0 ? B / ŲɞQ B D/ ɞ ɥ G A ?/ K Ų
Ѣ ҥ L c c p ŭ ҥ Ѣ ҥ
τ P<0.05 2ɟ

2 Lccp ¯

R_`2j Amkn_pgqml md fc_jglergkc_ b Lccpgqampcmd nmqrmncp_rgtcgldcargml n_rgclrq ugrf bgddcpclr cvnpcqqgml jctcjqmd t_pgmsqgĪbga_rmpqmd hmglr djsgb

ἀ	ʅ	´	٩ Lccpǚ ǚ
? B /Ų	0 6	/ 3 , 0 1 2 § . 5	4 , 2 1 § 3
Ḫ	/ 2	/ 1 , 0 7 7 § 1 6	0 , 3 0 2 § .
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P e		. , . . 2	: . , . . /
Q B D/ Ų	1 .	/ 3 , 0 3 5 0 § 2 5	3 , 1 6 / 7 § 0
Ḫ	/ 0	/ 0 , 1 1 7 6 § 0 6	1 , 3 6 1 § 4
t e		2 , 1 4 3	3 , 3 . 5
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q G A ?/K Ų	1 /	/ 3 , / / . 5 § 3 5	4 , 2 0 5 § 1
Ḫ	/ /	/ 1 , 2 0 1 § 7 6	1 , 3 0 4 2 § /
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2.5 ˜ Ặ ˘ Ά ´ ɞLccpǚ Ặ ? B /Ų, Q B D/ Ų, q G A ?/K Ų ´ ٧ Ặ A Lccpǚ ٧ Ặ P<0.05 3 ѽ 1ɟ

3 ? B /Ų Q B D/ Ų q G A ?/K Ų Lccp

R_`3j Amppcj_rgml md Lccp hmgllr djsgb ? B /Ų, Q B D/ Ų, qGA?/KŲ ugrf dp_arspc fc_jglergkc_l

	? B /Ų		Q B D/ Ų		q G A ?/K Ų	
	r e	P e	r e	P e	r e	P e
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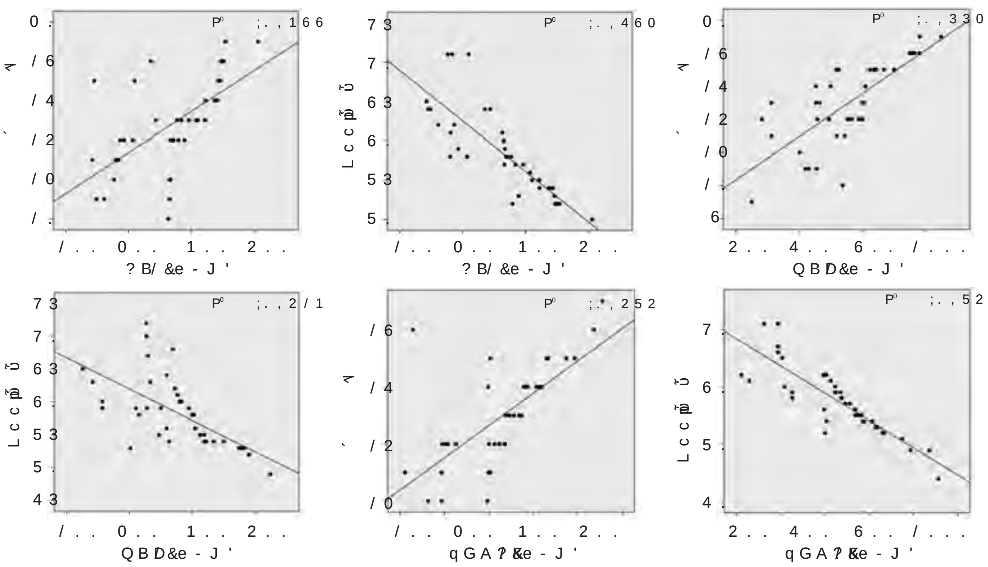

1 Lccp

Dgesp 1 Ampppcj_rgml `crucclr fc jctcjqmd _jjglbga_rmpqmd hmglr djsgb n_rgclrq

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? B /Ųɛ ζ ẍ ǚ m Ẻ ǚ ئۆ Ά ɞ א ש / / ɟ ɞ ɞ ˬ l Ψ جٍ Ẻ / 0 6 ʅ ˜ ə 7 ɟ / . Ό ئۆ ɞ m ה Q B D/ ŲΆ ש ˘ l Ψ ? B /Ų جٍ ئۆ ┘ ٨ ┘ ל ╗ ɟ Ψ ж ה Ά ˜ ה ה ɟ ה ж ˜ Ặ ? B /Ų Ѣ ה ה ˜ Ặ q G A ?/K Ų ? B /ŲA ˜ ה Ẻ m Ặ l ╗ ɟ ہ Ỉ Ό ئۆ q G A ?/K Ų ה ˬ Ẩ Ḫ l ئۆ l Ỉ ╗

Ặ ٦ ? B /Ųw ъ ? B /Ų ╗ ɟ Q B D/ Ųm ی A V A ɔ Ѣ ٨ Ψ ˀ ל

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qAG? K Ų k P L ? ܡܚ q G A ?/K Ų

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qAG? K /Ųؤ ˜ Ẻ ɵ e

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? B ŲɞQ B D Ųɞq G A ?/K Ų Ά ´ ש L c c p

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Ҍ ί ὊẶ ɯ د ˜ ɟ

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Epidemiological analysis of cervical lesions and new development of cervical cryotherapy

CAO Huan J G S @ g U ? e L E V g _ m b _ l
B c n _ p r k c l r m d @ e c w g l h _ g c l a e m j M m e q w c r p g a q _ l A _ E n w g l r c _ a j m K m c b w g a F _ m j q S g g t j c p q g r w
@ c g h A g fl g e / _ . . . 0 4

ABSTRACT A c p t g a _ j a _ l a c p g q _ a m k k m l k f g e e l q _ c l p r g m s k j m w g f p u m _ k r c c l l q u m k B q l f c _ j r f , R f c g l a g b c l a c B p a l l q d p g p , q U g _ r k f m B e f _ u g m k c g l r g w l j m c q m n j c g l a g b c l a c g q p g q g l e _ l b w m s l e c p , R f c m a a s p p c l a c _ l b b c t c j m n k c l r m d a r _ i c q b c a _ b c q d m p k m q r n _ r g c l r q r m a f _ l e c d p m G K j m u g U e t p _ q b g c t q o s _ k m s q g l a _ p a g l m A k _ l b k m q r n _ r g c l r q _ p c b s c r m f g F e P f Ų F N T _ i s t q c b _ ` l w n _ n g j j m k _ t g n c p q g q r c l r g l d c a j g g m g a _ j R j f w c p q c r p m c p l e r f c l g l e r f c c n g b c k g m j m e g a _ j _ l _ a c p t g a _ j b g q c _ q c q a _ l n p m t g b c _ ` _ q g q _ l b p c d c p c l a c d m p c _ p j w b g _ e a p w m r f c p _ n w g q _ n f w q g a _ j r f c p s _ q n s w _ k j c j r w f j m g b o r s f m _ b p r t s g q c c p m e b p j c w d p g e c p a c l r _ l b r f _ u j m a _ j b l g c q a c p _ m q q c g b q m g p q b q s t e c q l m c _ p a _ f r g g c m t l c a j g l g a _ j r p c _ r k c l r r f p m s e f R f s q f g q q r s b w s q c q a c p t g a _ j j c q g m l q _ q _ q r _ p r g l e n m g l r r m _ l _ j w x c a c p t g a _ j l j b c q g m c l v q n j m p c r f c a j g l g a _ j c d d c a r q m d a c p t g a _ j a p w m r f c p _ n w r m n p m t g b c c t g b c l a c _ l b p c d c p c l a c d m p a j g l g a _ j a c p t g a _ j j c q g m l r p c _ r

KEY WORDS A c p t g a _ j A a c p l t g c a p _ j C j n c g q b g c m k l g m G j m e w c l a c a f _ p _ a r c p g q r g a q A p w m r f A c j p g _ h n g w a _ j c d d c a r q

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