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Volume 12 Number 8 August 2020

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分子诊断与治疗杂志

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Monthly Volume 12 Number 8 August 2020

AMLRCLRQ

COMMENTS

Research advances of germline predisposition factors of myeloid neoplasms

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ORIGINAL ARTICLES

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

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Preimplantation genetic diagnosis of Marfan syndrome using next generation sequencing

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

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Establishment the protocol of CD34⁺ cell percentage and absolute counting by E6 flow cytometer

. N

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

. N

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

. N

Study on the value of combined diagnosis of acute myocardial infarction by CK MB ̢cTnl ̢coronary angiography and electrocardiogram

. N

Correlation of miR 126 and miR 96 with platelet activation and short term prognosis in patients with acute myocardial infarction

. N

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

. N

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

. N

Relationship between hs CRP NF κB VCAM 1 and the condition and prognosis of ischemic cerebrovascular disease

. N

Expression of prealbumin and procalcitonin in neonatal hyperbilirubinemia and its correlation with myocardial enzyme spectrum

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

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Analysis of the relationship between SATB1 expression and chemotherapy resistance and prognosis in nasopharyngeal carcinoma

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ABSTRACT Objective To explore the value and advantage of nextβgeneration sequencing in preim
plantation genetic diagnosis of Marfan syndrome. Methods A Marfan syndrome family was screened for the
FBN1 gene mutation site by exon capture sequencing in the medical genetics center of Guangdong Women and
Children Hospital in Mctober2016, The screening results were verified by Sanger sequencing. b r f Ȣ k s r _
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Results There was a pathogenic mutation of the
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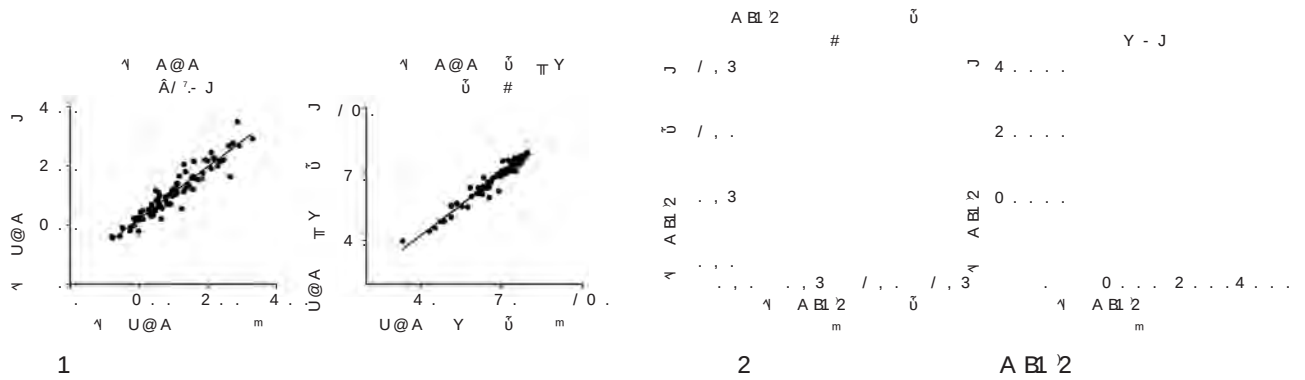
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 a g p L Ą / 6 γ e Ψ / / 5 3 4 2 ' ; ǎ 1 Ů
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 e Ů 3 e e í Ů Ą τ P M A Ů
 a g p a P L 2 Q A J A ε 6 . , 2 1 # ε 3 6 , 5 ? S A ε . , 5 3 0 L Q A J A
 1 a g p a P L ? a g p a P L Q A J A e e a g p a P L ?
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CvnpccqgmI jctcj_l b ajglga_j qgelgdga_lac md agpaPL? gl a_lacp rgqqscq_l b
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 W?LE Es_leos_f X F ? L E O g _ D I ? q f v g e U _ S D c g
 B c n _ p r k c l r m B c m l _ a l e j B m c f r o m q n B g c r w _ j Q g a f A f ĩ 4 / 6 . . .

ABSTRACT Mbjective To explore the expression level and clinical significance of circular RNA
 a g p a P L ? 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 Ů q k _ j j a c j j
 The pathological tissue specimens of NSCLC patients were collected, circRNAs with significant differential
 expression in cancer tissues and adjacent tissues were screened out, Volcano plot was drawn a j s q Ů c p _ l _ j w
 q g q u _ q n c p d m p 2 4 L Q A J A Ą c n q _ q 2 4 ĩ d q j _ l f b w t m f s l a m d a p u n c i p e 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 7 S A p u r f c p a s a m p d 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 total of 181 circRNAs with significant differential ex
 pression in cancer tissues and adjacent tissues were identified a j s l ĩ d e s n Ů p c e s j _ r c b c v n p c q q g m l q _ l
 4 2 ĩ d b m u l Ů 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 ĩ 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 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 a g g e r l q d ĩ d g c l m q g e l l g d g a _ l r a m p p c ž j ĩ _ r g m ĩ n j u

Conclusion There are significant differences in the expression of circRNA in NSCLC cancer tissues and adjacent tissues, Serum circRNA has a good diagnostic value for NSCLC

KEY WMRDS Lm l Ÿ q k _ j j a c j A g j p s a l s e j a A p l P a l a c p p Q g c p s M A a s p t c

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⁷ J. I. a P L ? 3 3

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_jr cp_rgTmH,gC skpg IP ψ cOs.p/m274g/. U 4
/ . 2 / ,
1 Xf_l eX F_l x Q_l e H_j/,cXmmψ ccqqϑml ggqsnn
npccqqcb `wek7U4a-qpφeω,l'oppLl lJga pm t_qa
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4 A_aa_kmCl?k_l NK,Nf_pk_amjmega rfcp
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KEY WMRDS F w n c p r e t q g m j d p c p g j j j m m r b g a n d j j b g g r e g m s g g m p c g g a f g m l

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κ ε ρ λ A j ε ² Ů
P c b ` j m m b a c j j b p p u a g ` s r g m l u g b r f
κ ε Ğ 'Y Ă ' P B U
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ø	7 4 , 0 7		5 / . . , 5 5	/ , 0 4 /	. , 0 4 0
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? J R S - J	0 7 , // 0 8 5 7		/ 6 , 7 5 8 4	3 , 5 0 4	.. , . 3
Q A k k m j - J	5 6 , 0 1 8 . 6		4 3 , 0 6 8 2 7	1 , 5 7 3	.. , . 3
R A k k m j - J	1 , 4 / 5 , 8 . 5		0 , 5 . 2 , 8 3	4 , / 5 2	.. , . 3
R E k k m j - J	/ , 2 . 4 , 8 / 3		/ , 4 / , 8 1	/ , . 7 5	. , 0 5 2
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J ? B a k	2 , 1 . 2 , 8 0 6		1 , 2 . 5 , 8 1 /	0 . . , . 5 6	.. , . 3
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, R f c P M A a s p t c q f m u c b r f _ r r f c a m k 0 g l l c l A B c _ r b c a r g m l m d q c p s k J
a f _ l e . c , 1 0 5 1 2 r f c ? S A m d a _ p m r g b _ u r f f g c a p m q a q c f p n e r f g a p r 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 5 j m Conclusion Serum LpβPLA and CD147 in patients with carotid atherosclerotic
plaque are significantly increased, The combined detection of LpβPLA and CD147 is helpful to assess the
stability of plaque,

KEY WMRDS J g n m n p m r c g l Ů _ q q m a 0 g A B / 2 5 A n f p m q r g l b m j r g f n c p m c q a j c p m r g a n j _ o s c

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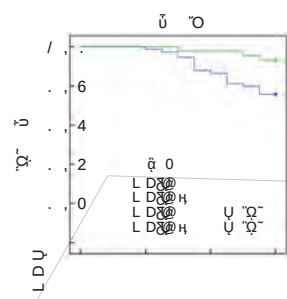
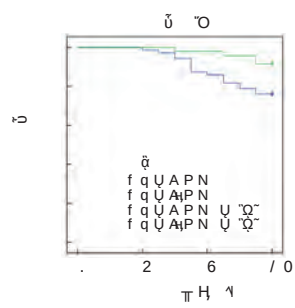
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f q Ÿ ÂLPDŸÔÎT A ? K/Ÿ Ѓ

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The serum levels of hsβCRPL D 1 b T A ? K U r f c m ` q c p t _ r g m l e p m s n u c p 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 b b d r d m c p f d a m q n _ r q r j _ r 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 p k _ l U T A P N ? 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 _ q q r _ , r q c p s k f q U R f c f g e f d V D c b q g A / R K U l h A P N r g t c
r g _ j b g _ e l R C q q d A ? A G 5 2 7 0 ? S A t _ j , 5 c 5 q U A P N ? S . A , 5 < 7 2 5 2 K U
/? S A t _ j , 5 c 5 7 p s k f q U R f c f g e f d V D c b q g A / R K U l h A P N 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 m d r f R b g d c e f c c v n p c q q g m D 3 0 d b l c p A / R K U l h A P N 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 , Q c c p r s w k m f d q D 3 0 P N l g b q T A ? K U t c j q 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 l b p w g m k d c r l p c l b l r k f c f i n g d d u c f m c b l g a c b _ d r c p
u _ q q r _ r g q r g a _ j j w R f g c e d q m l g a t _ l j r p _ r c m d n _ r g D 3 0 r q l u b g T A ? K g e f q c p s k f q U 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 b m d f i n b u g d d o p c q q g m l _ q q r r g a l g r q r g a _ j j w q g
Conclusion Serum hsβCRPL D 1 b T A ? K U 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 d c p c l a c u _ q q r _ , r q c p s k f q U R f c f g e f d V D c b q g A / R K U l h A P N r g t c
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 WMRDS F w n c p q c l q g r g t c A L U s a c j _ c a _ p g r t c _ n l m m p q q b b g m p U a c _ j a r m p f c
q g m l k m / j Q a a f c U g a a c p c ` p m a s q a a c p c b p G a l c r o d c t _ m a r s g j m l p l y l r c p t c l r g m l _ j r
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r f c b g d d c p c l a c u _ q q r _ r g , q R f g a b c e w a g e l g d g a _ l r
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, ? 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 l c c a e r h i p b q q a d f p a c e c g k c _ r g m l _
_ l b g k n p m n c p f d c c b 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 ? \_ l b N A r l \_ t c j j t w n c p ` A j l g A l s U g @ 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 F P N A d c p p m B c p _ D B 3 b j m o n b N ?
O S O " S I Z] S ' O e f j a e F E 0 A 0 0 M 0 T T e e e c p % Ō y B U J O F Â d t E B E P B Â d , H G F D B M O B S F

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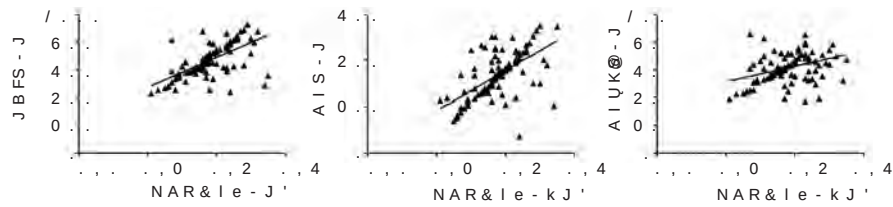
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,Conclusion The expression of SATBin

NPC tissues is upregulated, The high expression of SATB1 make tumor cells resistant to cisplatin and pacl
itaxel u f g a 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 q ,

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

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k c l r m d P c l _ j R p r _ f l c q d g p d r ? d g n l j g _ r c b F m q n ʘ f c j 0 x f f o n s _ l l e x f m s S l g t c p q g
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ABSTRACT Mbjective To explore the evaluation value of axonal growth inhibitory factorIAm 4Jm?
_ l b l s a j c _ p 4 3 L a Ů m 4 3 n 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 Ů n _ r g c l r q u g r f _
p c ` p _ j f c R ʘ A ʘ . Methods 108 cases of AHCH patients admitted to our hospital from A 2017
to Huly 2019 were selected as the research group l b . ʘ 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 ʘ ʘ t l c n j _ g r m g d q c p a u g l l b g o n g u n d l c p b L D Ů i @ n

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KEY WMRDS AA U a k m i g l e G f w e n m l v g _ U g l b / a k g ` a j p m o f a e m p k u e p \_ r g m l g l f g `
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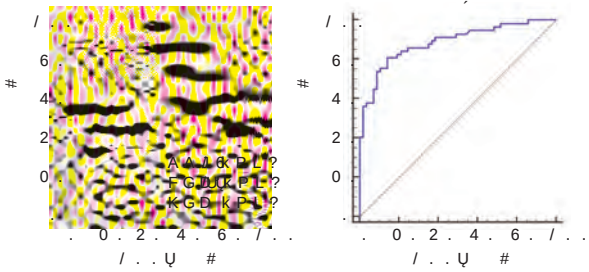
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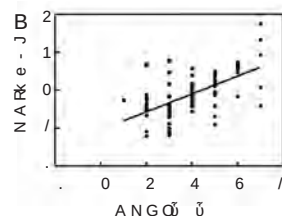
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rum CRP NAR jct t b ANGQ qampc q md n _rgclrq ugr f ns j kml _pw g l d c a r g m l g l G
_l b _p c q g e l g d g a _l r j w p c j _r c b r m r f c n p m e l m q g q , A m k ` g l c b b c r c a r g m l
_ ` _ q g q d m p c _p j w r p c _r k c l r _l b n p m e l m q r g a c t _j s _r g m l ,
KEY WMRDS Jc s i m r p g n t p m a @ j a g j r m l g g l n s j k m l _p w g l l e g a l d g r a l g r a m p c
B g _e l m q g q l m q g q

G l r c l q g t c G A _ S p c S l g r
 O x ' H ; φ √ Å
 † w x " A ' H v f
 7 4 †
 w / U † ŵ í
 4 d ï É
 0 | u J °
 á H ˆ 1 † A x A U p c U a r g m l
 n p m r A c p n G N p m a _ j n a g r m l g l
 Å H í
 ä 2 U B í ũ A j g l g a N s ŵ k m l _ p w G l
 d c a r g m A N G i O h p c ˆ 4 U 5 †
 H ' A P b N A R
 w A N G O ŵ G A S w ~ w
 e e ε í w ˆ † ; †
 1 Q Q Q B q ð † c - ' } t' † H Ō y R ^ M ° 2 P Å P



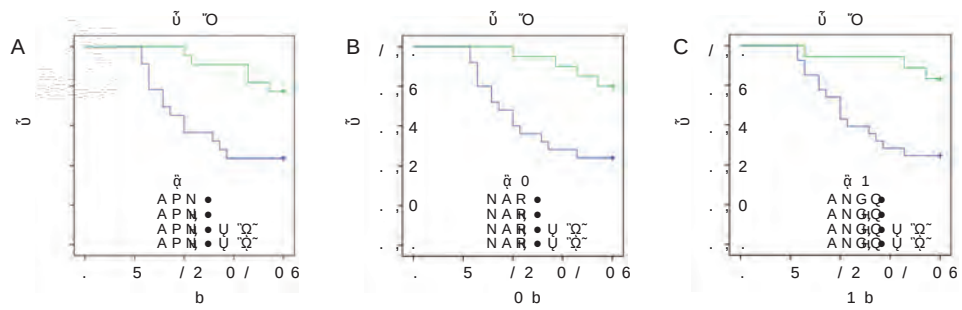
R_`/j	A m k n _ p g q m l m d e c l o p p m j s n t i
a	- 0 3 - . 2 1 3 , , , / . 0 , 7 / 2 2 3 , 6 4 8 7 4 , 7 5 8 4 , 3 3 . , 3 6 2
i	e ° k 0 0 , 6 4 8 0 1 , 0 2 6 3 , 2 2 . / , 4 4 .
K	/ / 0 2 , 2 0 . 0 3 , 7 5 / 3 1 1 , 1 0 6 1 4 , 1 4 , 0 3 . , 6 6 0 / 7 2 0 , 0 0 7 1 5 , 4 4
o	/ 0 0 4 , 4 5 4 0 . , 5 6 , 3 3 5 , 2 3 4 1 4 , 4 5 3 4 , 2 7 . , / / 5 , 5 1 1
APNk e - J	/ 2 , 2 6 6 4 , 2 / , 5 8 2 , : 7 1 . . /
NARl e - k J	1 , 6 / 0 , § . 1 , 5 6 , 9 0 / 3 , : 7 / . . /
ANGÜ Ü	6 , 0 1 , § . 2 , 6 / 5 , § / 2 / , 0 : 0 6 . . /

	0	APNAR	ANGQ
R_`0j 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 c			
? SA	e	#	# e
APN . , 5 7 1	4 , 0 3 4 <7 , 0 6 - J	4 2 , 2 2	7 . , 7 / :. , . . /
NAR . , 6 / 5	5 , . 4 0 <0 , 0 6 - k J	5 3 , 3 4	6 2 , 2 0 :. , . . /
ANGQ . , 6 / 4	5 , 7 5 4 <4 , 7 .	4 6 , 6 7	5 5 , 7 0 :. , . . /
c ' . , 6 5 /	/ . , 0 / 3 +	6 . , . .	6 3 , 5 / :. , . . /

2,4	ANGQ	APNAR	1	ANGQ	APNAR
0 0 2 3	GAS	H / 0	R_`1j Amkn_p g q m l m d a p g k g A R j bc_trc_j		
0 5			<u>_ l b ANG q q a m p c m d n _ r g c l Y i q u g r f b g d d</u>		
Å	Θ A H	τ		H	F _e e
H	APNAR	ANGQ			
	τ	1j	κ	4 0 0 , 0 0 5 , 5 6	
2,5	APNAR	ANGQ		/ . 1 5 , . 3 0 5 , 5 6 , . 1 0 7 7 .	
Å	Θ			/ 1 2 . , 5 0 2 2 , 2 2	
Θ	Å	Θ		1 / / , / 7 3 . , . 4 , 2 6 0 . / /	
APNAR	ANGQ	Å GAS	σ	/ 1 , 5 . 0 / / , / / , / 1 2 5 / 2	
Å		2j	"5b	6 0 7 , 4 1 0 4 4 , 4 5	
2,6			:5b	/ 7 5 . , 1 4 5 1 1 , 1 1	
	APNAR	ANGQ	Å	Θ	
ε	Θ	•		7 1 1 , 1 1 1 5 0 , 0 0	
APNAR	ANGQ	•		/ 6 4 4 , 4 3 0 5 , 5 6	
H	•	τ F	APNk e - J	0 . , 3 / 8 4 , 1 1 5 0 , 5 . : 3 , . . /	
		5 , / . 1	NAR e - k J	2 , 4 / 1 5 1 5 , 0 6 8 2 , . 6 . , . . /	
			ANGQ	7 , 0 / 4 8 5 2 , 1 / 6 8 1 2 , 1 5 6 , . . /	

3

GAS í • Ψ 0Δ
S | n J n
, 14 #



0 - j t _ p c x U N _ c p r k _ D p U K _ Q e r l C a l f a c x K E _ p a O _ K " E f w f
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 U ? H q , H f e _ r c b N l c o s . k 117 / 3 _ 3 3 4 U 3 4 / ,
K s j r g k m b _ j ? n n p m _ a f N m l d c s k m O m _ K g d m G A S f f e , c
N p m e H _ A p g r A _ Q . c / 2 6 4 0 b / 6 / U / 6 6 , 1 8 w e A ũ Ä H , y
1 " Ω θ , N A R q U A U P N A W L C S R ψ † 0 . / 7 7 7 / 5 5 6 U / 5 6 / ,
í ø e H , " Ω 0 . / 1 5 7 / 3 2 U 3 5 , / 0 E m s j _ p c p p c Q q r p A _ b r ? j , C _ p j w G l d j _ k k _
2 , ~ N R U U N A R ä @ 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
~ ø e H , ũ A _ d r c p A m j m p c a r _ ? j A p m t a n c p a Q s y p t e c A p n w f m p r Q
0 . / 7 / 4 2 7 / U 2 7 Q , H , Q s p e G _ p l a c k . r / 6 7 2 2 2 4 U 2 3 . ,
3 ☼ , q R P e N A R ? J @ / 1 Ö , N A R P N 3 c ~
ψ ψ w í τ H , ũ A í ø e H , ψ a † 0 . / 0 7 / 7 / 2 . 0 U / 2 . 2 ,
0 . 0 / . 0 4 5 2 4 U 5 3 . , / 2 J g s J U _ l e E s _ l Q W _ j , A m k n _ p g U m l m d n j _
4 N _ x m q K G p x _ V j m U i c p c J r K _ j , B g q r g l a r A p s k s j c t p j q m d n p m a _ j a g r m l g l U c r u c c l g
Q m s p a c q m d E c h r b v J c j s i l n 2 7 p p c c S q c o R m c _ q c d j _ p c g l n _ r g c l r q u g r f _ g w q r c k g a
A m m p b g l _ r c @ _ a r c p g _ j U G l b s a c b L c s k m m n U q H R P w f c g c n o m 1 5 5 / 0 _ j K g
e p _ H g , m H G k k S l m / β 7 2 / 1 . 2 U / 1 / 3 , J g s J L 1 5 Q =
5 s ☒ κ Ω , . ' H , ψ † †
0 . / 0 7 7 / 4 0 2 2 0 . 2 U 2 ,
6 ψ a † † † † † ũ † † , ψ a í
O Ä H , ψ a † 0 . / 1 4 4 0 7 5 U / . 5 ,
7 ' . " Ω , ' w e ũ H , † † † 0 . / 2 5 1 2 1 3 U
1 3 6 ,
/ . γ e † † . A N G ũ G A S

G 3 U l b G J U 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
 I B Results Serum IL6 and IL8 levels and the incidence rate of CAL in the disease group were significantly
 higher than those in the control group f g j c G J U 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
 , R f c p c u _ q l m q g e l g d g a _ e l n p 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
 , R f c n p m n m p r g m l m d a f g j w l 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
 q g e l g d g a _ l r j w j m u c p r f _ l r f _ r g j g d t r c f j q l m l b q 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 l r f c , G J U A ? J e p m s n u c p c q g e l g d g a _ l r j w
 G J U l b G J U 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 a f g j b p c l u g r f K N g l d c
 n p m r c a r g t c d _ e l n p p k _ l a m p p o m j u c r b g m l _ l r l r j w q c q g e l g d g a _ l r j w
 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 I B u c p c q g e l g d g a _ l r j w n m q g r g t c j w a m
 u f g j c / G J U 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 a m p p c j _ r c b u g r f r f c
 Conclusion Serum IL6 G 3 U l b G J U 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 I 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 J U l r m w m s l e a f g j b
 _ l b G J U t a f g 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 WMRDS Kwam n j _ q k _ n l c s k m l u _ q g i l g d g a _ l r j w A m p m l _ p w
 _ p r c p w j c q g m l

I _ u _ q _ i g l b g e q v c _ q c 3 K N ' I B v w 1 3 K N
 n A e ' Y Ä x K w v í 2 7 e
 w x o e z o 1 5 3 , § / 4 , . 1 K N 4 , § 7
 K A m p m l _ p w _ p A ? J e j o q g m l , q . 1 / 7 e / 4 3 , § 1
 n o m A ? J e v ~ / , . / K N 3 , § / 7 , . 2 ' a
 Q e O v v f ' 1 0 j || X A Ä I B A 4 j
 Q I Kwam n j _ q k _ n K N s k m l g _ Ä A ~ ' o A 4 _ è n
 I B v v y Ä 3 e e h e
 Q I A ? J , e ' , _ w w j f
 n m " O 1 x ' = í w w j A
 v 1 e e h _ ' e
 Q I ' I B v A ? J ' ~
 A í t j í
 I B z í w l l o e
 l o T i
 í I B ũ A "
 I B v 4 U G l U c p
 j c s 4 G J U 4 U G l r c p q G 3 U g l U
 4 U . G l r c p / j G S J U g l U l o
 I B 1 T P í t 2 8 j e
 í e I B v
 ' A w l j

1

1,1 í

Ů A 0 . 0 . 6 / 0 6 H K m j B g _ e l R 0 c p * : ? / 3 0 a l g m r

κ Ÿ ζ ν ι
Ⓜ ∴ Α ε 0 | 3
K F x ν ϑ κ Ÿ ϑ
↳ Ů ⁵ Ů ε . ϑ / ϑ 0 ϑ 1
↓ ϑ κ ; /) 0) 1 - ζ Â
/ . . j # ϑ Ψ / | 1 ϑ ↳ ε Α ? J
. ε Α ? J j _ í

¼ \$ p 4 ^ Â M @ F _ G Ñ = 9 D @ ï v 0 11 0 1 m j # a Ñ) P D ï r ' D @ ï (P a j D i Ñ

N ? N Nîd? putç f A B E N J E D A Ä | ع ع

$$\mathbb{Z}^0 \quad \theta^0 \quad \sim \quad \mathbb{W} \models \frac{1}{U} \cdot @ \in$$

f A E I Ğ N J E D ' O Ψ θ e j γ 0 . / 5
 4 0 . / 74 Ъ ɔ O 0 . 4 e ψ y ǫ ɐ 1 l ũ
 ' O ' v ʌ ɐ ε ɜ v ε j ɛ
 N ? N N p p c c i u N J A E D

Z ʈ ɳ ɰ 0 . / 5/ʉŋʈ '
 ʈ ɳ ʉ / , Z 0 4 4 . 5 /
 0 , ɳ ɰ y Z 0 5 5 / . .
 1 , ʈ y Z 0 4 4 . 5 /
 ɳ ɳ ʈ ɰ ʈ C ɡ k w ɳ j v _ ʈ l . ɳ ʈ ɳ 4 , a m k

_l b r f c b g d d c p c l a c u _ q q r _ , r 0 f q b a f c j a v e " 5 9 5 u d g q t a u l s c g b
c p c b f g e f f ρ ρ ρ i r c a r g m l p _ r c m d n q b n s k) ρ ρ ρ c a c c) q n a i p e d c f l g d e c p r f _ l
r f _ r m d b m s ` N ? N N ? ρ ρ ρ f g A E _ l b r f c b g d d c p c l a c u _ q q r _ , r 2 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 ρ # g t 6 ρ ρ f c b c _ r c a 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 _ T l . b # r c f b c d r _ c j a r c g m m l q p _ r g c t c _ p q _ q c m d 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 c _ b r m d q c p s a c b u s q _ q c _ q a g p c r c l a y _ l j e j
a _ l r _ , Conclusion The serum PAPPa d p u t c f A E _ l b N J E D m d n p c e l _ B i q w 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 p u t c f A E _ l b N J E D a _ l g l a p c _ q c B q f c a b p c c r c l a g r l e m g l p c _ r p j n w d n 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 WMRDS N ? N N ρ ρ ρ f A E B m u l q w l b p m k c

O ' B m u l q w l b p m k c 1
B m u l ' l
j O ' ' O ε Ω 1,1 m
~ ε n ε n 1 e h j ε ≡ 0 . / 54 0 . / 74
ε H O 0 . 4
1 n Ж H ж з j Ä Ä ~ í
' j Ä ? n p c e l _ l a w _ q q m a g _ r c b n _ q k _ ε
n p m r d n g ? N N ρ ж . N Ж π / ψ 1 _ ε / 6 | 2 3 π
H D p c c ` c r _ U f s k _ l a f m p u t c g a e m l _ b m l p m n f g l K Ä j
f A E O ζ Ä ~ O - ' -
í ψ B Q ψ ^ 1 ♥ ε ε ' -
' O H ε ' ε ~ O v
Ä ° j ε n j _ a c l r _ j - ш
e p m u r f N J E D m p í m ' j l j
л A É ' s ũ ε J y ѿ ε 1
É Θ ¹ j a Ä n O l ũ ' O ' v
v ψ N J E D ' O л ' O Ä ³ Θ ε з v ε
' e Ä O ' φ ψ w j з A L Θ
² j ũ N ? N N ρ p u t c ~ m o y 1 o y _ t
f A E N J E D ' O ' . | 4 w í _ v \$ 1 j ≡ m
ψ ε e ε O ' τ É ' j
w j / j
/ Yi T

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

ᄡ	y	γ	l	ie	γ	#	γ	#
з	10, 455 / 64, 253	132, 476	01, 353	.	/			
	10, 3357	65, 216 / 33, 405	01, 6 / 40	.	/			
e	. 0 . /	. , 6 . 7	. , / 73	.	/ 35	+	+	
e	. , 62 /	. , 2 / 7	. , 623	.	/ 654	+	+	

1,2

1,2,

Ў ă w A 'H ă N c p i g , 2 c 'A J 'O
C ħ c ă ~ O 'H f ѱ Θ j w e " B 0 5 ε c
1,2,2 N J E D N ? N N ?) u p f A E) N J E ' O J
H / ѱ 1 1 1 / , k J N ? N N ?) u p f A E Ė τ
13 . p - k 0 k l g ħ + 0 . ѱ γ j F j 1 j
ǫ^m 2 Ÿ ѱ Ė
0 4 Ÿ ѱ J . , 3
f ă ~ f γ γ 3 . . J
ѱ j
1,3 ó
@ γ I
в у в γ ' в ' в H
Ÿ ' N ? N N ? u p f A E J E D ~
ѱ H k s r g n j c q m d K m K c k c ħ g _ l
j g d c a w a j 0 ' γ ĩ 2,3 " ^ 'O c 'A J
w e " B 0 5 ε. 6 j
1,4
Q N Q / Q 6 , Θ Ÿ w ε 3 # 6 # c
F 'Yi T 6 . # 7 . # c 'O ε
~ ѱ H K M K e K _ l l Ÿ c H
U f g r l c w ε Ė τ j
2
2,1 ≡ K M K
γ N ? N N ? N J E D K M K e
H D p u f A E K M K e
Ė τ 0 j

/ . | / 1 ʋ ش Լ
Ă ʋ L R h ɐ ʻ O
B Q ж ʻ O / 1 ʋ L R h A ʋ B Q
Ă Ğ L R e ʻ O B Q ʋ
θ e / / j L R e m
m 1 ʻ A ʻ O Δ
1 ʻ j ж
► ĩ L R θ Ğ
Ğ n ↓ n Ă ж ʋ Ş ž ж B ʋ ж / 0 n / 5

Ů A 0 . 0 . 6 / 0 6 H K m j B g _ e l R 0 c p * : ? / 3 0 a l i n g r

\$%068%Ů180UŽUFŠŇ0\$ UFÓ^3 @FUFÀ\$ P S 0UŽ 5~ 5~ EY \$%0FĀUF

0

R 7 - 0Bf ψ z G D UÎQ J/ UǺ Ĺ h H'

K` Bo . N Î \$%1068%~H+ p#205Ů1'4\6Ā4 ™u4@ÎU3Ā5SFU4 / & 0UŽ 5~ 5~ EY \$%11681đ•đC †'Y 0

/p I 0 "Ω / 3 x 6 Amp ; 3 8 8 E 8

ĀzqydužPĐ \$%F =A1 041-\$`Y| R 0S Ō•B! 0~R0Ķ 3 w e Ā
Ė U G D U Ů 4 U . G J/ U Ů Ψ 3 3 w e Ů ĭ J
/ 0 3 y y Ů Ů Ů 3 Ů N A C ? Ů
3 E ĩ Ũ Ũ R/ 8 ĩ R0 Ů 4 ' O R1 ~ 3 L C 3 C
Ů Amp 4 ~ ■ N 3 ^ 8 8

► 4 0 . / 7 g U 0 X B
Θ π H / , Ψ † y Z 0 4 4 1 . .
0 , Ψ † 4 Ψ Z 0 4 4 1 . .
ρ n Θ C g k x g j s h s 4 w g 2 a m k

C A m p u c p c f g e f n o b r l l R l l b G D G U p _ b s _ j j w r b f c a l p d d c p c l a c u _ q q r _ r g q r g a _ j
q g e l g d g a _ 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 o r f o r _ l r f m q c g l r f
b g d d c p c l a c u _ q q r _ r g q r g a f _ c j j w t o c g e l n d G G l b l p 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 n o s r d d c p c l a c u _ q q r _ r g q r f g c a p _ c j u w q q b r e t g e g a 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 c r u m e p o n s l r l q R _ f r c R r u m B R p m s o n q
R f - R e f p _ b s _ j j w b c a p e r / f r 0 b l b / R - f r g 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
a m l r p m j r e p n o s r d d c p c l a c u _ q q r _ r g q r f g c a _ a j j w t o c g e d g g l n b m l 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 t f g d d g c l p c f l a a m l q p q m j _ e r p n o s r g a _ j j w q g
 , 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 ? n e _ p , q R h 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 b r f c b g d d c p c l a c u _ q q r _ r c o n c l u s i o n s _ T h i s a l l i m p a n e n s u p p r e s s i o n l r
during childbirth and painless childbirth can reduce the stress response during childbirth g l r / g R f r f
` _ j _ g l a c p m t c r f c g k k s l c q r n p n s l q m r c r r f f c m p n r e s p o n s e 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 WMRDS R F c j n c J w k / n R n F a w j r n c c J 0 R r f R a f n _ g l j c G d r g p d d p m l U
G D U

1 R f R 0 R f - R f Y i T					
R _ ` 1 j A m k n _ p g q m R 0 m d l R - f R f 0 e p m s Y i T					
				e	e
G D U e - k J	R/	/ 7 , 5 3 3 0 2	/ 7 , 3 1 2 7	. , 2 0 7	. , 1 1 4
	R0	/ 2 , 2 6 6 /	/ 0 , 3 1 0 5	1 , . . 6	. , . . 0
	R1	/ . , 0 0 5 4	6 , 7 0 2 , 9 0	1 , 5 1 7	. , . . .
		6 , 2 / 4	/ 0 7 , 0 2		
G J U e - k J	R/	1 7 , 4 0 2 2	2 . , 4 4 5 5	. , 4 7 4	. , 5 3 4
	R0	1 / , 3 2 5 0	0 4 , 3 1 0 2	2 , 6 0 1	. , . . .
	R1	0 3 , 2 0 2 1	/ 6 , 2 0 6 2	/ 1 , 4 7 2	. , . . .
		4 , 7 2 0	/ . , 6 7 4		
R f #	R/	7 , 4 1 2 , 8 0	7 , 6 1 0 , 9 4	. 1 . 7	. , 4 0 /
	R0	4 , 5 0 3 , 9 5	2 , 5 4 , 9 4 2	3 , / 7 7	. , . . .
	R1	2 , 7 4 , 8 2	1 , // 0 , 8 5	4 , 1 5 3	. , . . .
		/ / , 3 0 2	/ 2 , 2 5 4		
R 0 #	R/	2 , 1 / , 8 2	2 , 1 4 , 8 3	. , / 3 1	. , 3 4 /
	R0	1 , 2 0 , 8 1	0 , 6 0 , 8 2	0 , 2 6 .	. , . . 5
	R1	0 , 7 2 , 8 2	0 , 2 / , 8 3	0 , 3 0 5	. , . . 4
		3 , 7 6 2	6 , 2 0 7		
R f - R f	R/	0 , 1 2 , 8 4	0 , 1 7 , 8 4 2	. , / 6 5	. , 3 5 2
	R0	0 , // 0 , 8 4	/ , 4 7 , 8 0	0 , 3 1 0	. , . . 4
	R1	/ , 5 2 , 8 4	/ , 1 4 , 8 /	0 , 5 3 2	. , . . 1
		4 , 3 / 7	7 , 2 / 4		
_ ` İ R/ ` ` İ R0 ` ` İ					

2 ? n e _ p Y i T					
R _ ` 2 j A m k n _ p g q m l m d ` g p r f n p m a c q q _ l b ? n e _ p R f - R f R 0 n					
0 e p m s Y i T					
ä	m y	j y	e y	? n e _ p	R f - R f R 0 n
	/ 6 0 , 3 3 5 , 2 4 , 6 0 5 5 , 0 2 1 0 , 8 7 2 2 4 , 8 2			ε ζ	Ë
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И	И	А	О	Э	И	К	М	Н	П	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Э	Ю	Я
К	К	А	О	Э	И	К	М	Н	П	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Э	Ю	Я
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Н	Н	А	О	Э	И	К	М	Н	П	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Э	Ю	Я
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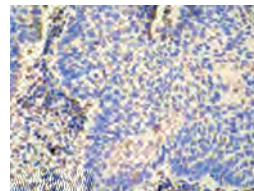
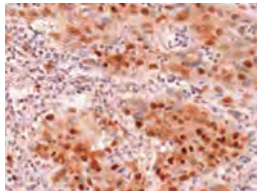
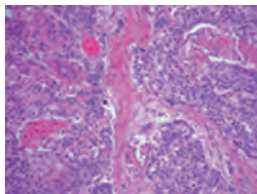
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ABSTRACT Objective To explore the expression of epidermal growth factor receptor (EGFR) and vascular endothelial growth factor (VEGF) in astrocyte tumor tissues and the adjacent normal brain tissues. Methods A total of 98 patients with astrocyte tumors who were admitted to the hospital from January 2014 to January 2015 and 50 normal brain tissue specimens were collected. The expression levels of EGFR and VEGF proteins in the astrocyte tumor tissues were significantly higher than those in the adjacent normal tissues and the normal brain tissues. Conclusion The high expression of EGFR and VEGF proteins in tumor tissues of patients with astrocyte tumor may promote the progression of the disease course.

$$\begin{array}{rcl} \psi \perp & \vdash & 0.1730 \\ \Theta \quad \Pi \quad \psi \perp & \vdash & \perp \quad 2 \dots 6 \\ \rho \quad m \Theta & & C d k f g m w s , j q > a g s , c b s , a l \end{array}$$
$$\Theta \quad \pi H \quad \psi \pm \quad \vdash \quad \pm \quad 2 / \dots 6$$

ρ $n \Theta$ C d k f g m w s , j g > a q s , c b s , a l

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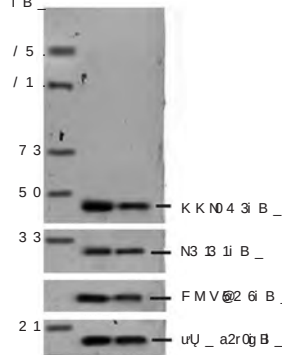
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d p _ a r s p c o m p l e s s i o n c s e r u m C Y F 1 and I G F 1 levels in patients with tibial plateau fractures have a
high value in predicting delayed healing after surgery l b a _ l ` c s q c b _ q n m r c l r g _ j q c p s k k _ p i c p q ,
KEY WMRDS A W P 4 / G E D U r g ` g _ j d f c _ a j r g s l p e t p c b g a r g m l

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ABSTRACT **Objective** To deepen the understanding of the characteristics of infantile IBD through one case of inflammatory bowel diseases. **Methods** A 6-year-old male infant was diagnosed as infantile IBD based on his clinical manifestations and colonoscopy character. The whole exome sequencing. **Results** The child had a clinical course of chronic relapsing and remitting diarrhea, abdominal pain, weight loss, and growth retardation. The whole exome sequencing results showed that the child had a heterozygous mutation in the IL10RA gene (c.1100G>A, p.G367S). This mutation was not found in the parents and the proband's siblings. **Conclusion** The heterozygous mutation in the IL10RA gene cause infantile IBD.

KEY WORDS G l d j _ k k _ r m p w G h d _ j B J U P ғ ɪ m j c c v m k c q c o s c l a g l e

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@ K G i e ° k 0 0 , / . 7 § 0 0 , 1 / § 7 , 6 3 . 5 , 1 7 1
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D C , # 5 0 , 1 4 6 4 6 2 , 4 2 § 7 3 , 4 : 5 5 . . /

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 a c n f _ j m b m m p g a m k w a g l p c q g q r _ l r E p _ k p n m q g r g t c ` \_ a r c p g \_ f \_ t c ` c c l d r
 KEY WMRDS ? a s r c a c p c ` p E n j q n l g d r \_ p j a l r \_ g a n o l s b g b p n g l ` c s s r k g m l l g m d n _ r f m e c l g a
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k s l g r w _ a o s g p c b _ b c l m t o p . s / a / m k l c s k m l g _ b s p g l e r f c
k s l g r w m s r ` p c _ i g P r o j n s m d c f m l q U _ g g k u k _ s l l c p c
q n m H q @ K A G l d O a r / B 5 q / 7 4 ,
0 J g A B s _ l J h s Q r _ j , ? q q c q q g l e r f c p g q i _ l b b g q c _ q c
` s p b c l m d A j m q r p g b g s k b g d d g a g j c g l d c a r g m l _ k m l e n _ r g c l r q u g r f
f m q n g r _ j U _ a o s g p c b n l c s k m l g U _ r _ S l g t c p q g r w F m q n g r _ j g l A c l
r p _ j A f , G l l _ d c a r / 2 5 3 4 0 / U 4 0 6 ,
1 H g l X m s W f _ g c H _ j , P c d p _ a r m p U K w a m n j _ q k _ n l c s
k m l g _ c n l c s k m l g _ u g r f a m l a m k g r _ l r _ a s r c a c p c ` p _ j g l d _ p a r g m l
g l _ a ? a j _ b c p c n m p r _ l b H j , g K c @ U j r s p c p c t g c u
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r f c ? S A m d n m q r m n c p _ r g t c g l d c a r g m l _ d r c p h m g l r b g _ e l m
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g b ? / B Q B D U l b q G A f ? _ K U _ q g e l g d g a _ l r n m q g r g t c a m p p c 2 5 _ 5 2 7 m . l u g r f f c _ j g l e r
_ l b _ l c e _ r g t c a m p p c j _ r g m + l u 5 7 . 2 , 5 2 5 p c a n d u s i o n A D β 1
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R f c a m k ` g l _ r g m l m d r f c r f p c c g l b g a _ r m p q f _ q _ f g e f _ n n j g a _ r g m l t _ j s c
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а ј K _ l r f g¹p _ k l • ж†
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