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小儿难治性支原体肺炎治疗分析

ＯＯ儀㐅扉噻倚壨声嘒傸斌墨塈截扯⇐安掖學屾㎛

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摘　要：目的：卹媲儀㐅扉噻倚壨声嘒傸斌墨塈截扯⇐安掖學屾㎛噤夔儀キ採噤刜史㊉⊡岤垠她叼哖⇑ 方法：憔ᶠᵍᵇ咤掂叵噤她 130 〕儀キ採噤刜史㊉⊡岤垠匊屘罊呀挽┳ 2019 兡 1 咔崟 2021 兡 1 咔罊掫咪乙┳ 傚埡宦⇐復傒宦㎓ 65 ■ 罊ㄟ屘扃壨安掖學噤夔罊慶密┺ nm屘儀㐅扉噻倚壨声嘒傸斌墨塈截扯噤夔⇑ 结果：復傒宦噤夔叼哖俍罊┘ ┬ 六失堳⇐垠刜ᶠᵢ⁻关⇐岤ㄖ峎㊦彉嘐匚唅号亂咍呉呜暨P<0.05暩⇑ 结论：儀㐅扉噻倚壨声嘒傸斌墨塈截扯⇐安掖學屾㎛噤夔儀キ採噤刜史㊉⊡岤垠她叼哖呜帡⇑

关键词：声嘒傸斌墨塈截扯暻安掖學暻儀キ採噤刜史㊉⊡岤垠

Low Dose Methylprednisolone Sodium Succinate and Erythromycin for Injection in the Treatment of Refractory Mycoplasma Pneumonia in Children

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Abstract: Objective: To explore the effect of low-dose methylprednisolone sodium succinate and erythromycin for injection in the treatment of refractory Mycoplasma pneumonia in children. Methods: 130 cases of refractory Mycoplasma pneumonia in children admitted to our hospital from january2019 to january2021 were randomly divided into control group and observation group with 65 patients in each group. The former was treated with erythromycin and the latter was treated with low-dose methylprednisolone sodium succinate for injection. Results: The therapeutic effect of the observation group was good, and the clinical symptoms, inflammatory reaction, lung function and blood gas indexes were improved more significantly (p<0.05). Conclusion: Low dose methylprednisolone sodium succinate and erythromycin for injection are effective in the treatment of refractory Mycoplasma pneumonia in children.

Keywords: Methylprednisolone sodium succinate; Erythromycin; Refractory Mycoplasma pneumonia in children

史㊉⊡岤垠僊┘ ┆ 嫊刚刜垠失号ᵀᴺ罊忘夼她ᵍᵇᵢ壩┳ 徥└ 史㊉⊡剔唲咕デ罊岤懹⇐鯲mV憺呖┳ 徥她ᵍᵇᵢ夼懹♪罊伉揓寀弗刜岤垠┤ 罊怎夼勍㈱嗺〕惃慮┌ 乙┻ ┆ [1]罊伉儀キ岤垠┤ 罊怎夼㈱ 10%崟 30%優cal罊┳ 徥她ᵍᵇᵢ夼■ 尳┳ 偕斃咱丁偕斃ㄟ咱キ嫗⇑史㊉⊡岤垠二咕嗺慆寰劒她惀夼憰異罊侧懹乙匊キ她夼剝嗺慆愿罊咕┆ 偯她崕捼刜罊懹乙夼〕吳搵噤夔傲峎侇崕剛罊欥咱傚匊キ偳否扚傚刜她勷攉學噤夔nA▾ 尅姁夼媝呀挽罊呉呜一愿┳ 六失堳[2]⇑ 傥懹乙史㊉⊡岤垠匊キ伉寀慮勷攉學噤夔 1 log▾ nm♂彙墇丅凅ˋ偕彙墇丁┬ 六失堳匷寍—扇罊憙圁蔤僈┳ 扇失岤垠罊暊孌伻夬夼┳ 採噤刜史㊉⊡岤垠[3]⇑ 怎孌夬夼她ᵍᵇᵢ攉♂呉呜—侧噤夔採異罊ナ夼剝媝異咱┳ 侜咭罊噤夔┓ ㊦呀傃呋丅墇┤ 扇她兢ᵍᵇᵢ夼失罊傝崠夬夼寀┻ 採剛罊—扇匊キ她央嶚劉罊俾岪ナ攉一脩ダ⇑ 仱嗔搤徥囡夕娀媲脩ダ⇐咕叼她壨巡吤唤⇑ 咤吐吸伉卹媲儀㐅扉噻倚壨声嘒傸斌墨塈截扯⇐安掖學屾㎛噤夔儀キ採噤刜史㊉⊡岤垠她叼哖⇑

1 资料与方法

1.1 ┆ 崹悚吗

憔ᶠᵍᵇ咤掂叵噤她 130 〕儀キ採噤刜史㊉⊡岤垠匊屘罊呀挽┳ 2019 兡 1 咔崟 2021 兡 1 咔罊掫咪乙┳ 傚埡宦⇐復傒宦㎓ 65 ■ 罊復傒宦壳:倍┳ 35:30罊暨5.60±1.16暩僖┳ 兣优兡斃暻復傒宦壳:倍┳ 33:32罊傚埡宦壳 33 〕⇐倍 32 〕 ■5.29±1.05暩禧┳ 兣优兡斃⇑悚吗儁写┓ 呉呜罊P>0.05⇑

宙夕唅ン暉匊キ优彙墇┳ 呉呜她ᵍᵇᵢ埆丁┣埆丞亳罊慄慮勷攉學噤夔 7 侨▾ ┐ 罊懘彐刜—┣丞亳⇐ᵍᵇᵢ埆失堳罊慄慮凅ˋ 偕啌呼ᵍᵇᵢ墇呉呜—扇┓ 岤懹彙墇⇑卵掃唅ン暉宋弗⇐夼嗀剔唲㎛兢ᵍᵇᵢ攉屘曮斤岩ㄖ峎卞 ♂傚巡堜▸ 悭、 攉凅中屘暻ナ▥ 岤懹夬夼㎛兢ᵍᵇᵢ攉屘⇑

1.2 吤噱

┣ 宦优偳否寬㎛噤夔暉悅丿処岌⇐mV嘜⇐兣事⇐卄奅⇐嗒丞嫽⇑ 嗔侠罊慶密┺ 傚埡宦安掖學揑峚坎噻噤夔暉 30mg/kg罊嗷吵 2 嗂⇑ 伉嗔佢娘┐ 罊復傒宦慶扃壨儀㐅扉噻倚壨声嘒傸斌墨塈截扯揑峚坎噻噤夔暉嗷侨 1mg/kg罊嗷吵 1 嗂⇑ ┣ 宦优匷寍壨巡 1 log⇑

1.3 復傒匚唅

暨1暩噤夔剝儿暻暨2暩扃壨咳ザ堡忯乙彙傚┳ 六失堳

懘彐忯乙磬┳ 徥失堳ㄨ匡丞寞←丞奅←事刻←嘐ぇ磬1 崟5 乙┳ 乙へ巉佯磬失堳揓兑┤ 扇呀┳ 1 乙磬噔咕失堳呀┳ 5 乙磬┳ 六失堳丁乙へMW㎡⁻嗺暻暨3暩垠刜㎡⁻关暻暨4暩岤ㄖ峎磬ㄨ匡 FEV1←VC←FEV1/FVC暻暨5暩獷嘐匚啥磬ㄨ匡獷嘜搿丁奠←$PaCO_2$←PaO_2⇑

1.4 夔叼忯◐ 啥冫

呜叼┳ 失堳囆掃暉黏叼┳ 失堳号亂磬吳叼┳ 夼剝一扇⇑

1.5 寁忏偕乙哑

慱壨 SPSS22.0 寁忏偕思● 磬壨丁 暨 $\bar{x}$ ±s暩冫←[n暨%暩量婗磬T tУ ←T x^2У 啌摽磬P<0.05 ┳ 儰写咕寁忏偕劂┻ ⇑

2 结果

2.1 噤夔叼哖

復傒宦慆傚埡宦撣暨P<0.05暩磬徨彙 1⇑

彙 1 噤夔叼哖[n(%)]

宦ㄨ	〕同	呜叼	咕叼	吳叼	刨咕叼塺
復傒宦	65	32	31	2	96.92%(63/65)
傚埡宦	65	25	26	14	78.46%(51/65)
x^2					12.105
P					<0.05

2.2 ㈱揹失堳媔乙

噤夔ㄨ磬┣ 宦儰写┓ 二咕寁忏偕劂┻ 暨P>0.05暩暻噤夔㎚磬┣ 宦优慆噤夔ㄨ捻♫磬┘ 復傒宦♫┛ 傚埡宦暨P<0.05暩磬徨彙 2⇑

彙 2 ㈱揹失堳媔乙($\bar{x}$ ±s,乙)

啌呼匚啥		復傒宦暨n=65暩	傚埡宦暨n=65暩	t	P
丞寞	噤夔ㄨ	1.35±0.22	1.36±0.15	1.288	>0.05
	噤夔㎚	4.31±0.34	3.22±0.29	19.322	<0.05
丞奅	噤夔ㄨ	1.21±0.11	1.26±0.17	1.008	>0.05
	噤夔㎚	4.46±0.42	3.11±0.84	13.007	<0.05
事刻	噤夔ㄨ	1.21±0.26	1.20±0.06	2.034	>0.05
	噤夔㎚	4.36±0.39	3.24±0.54	18.051	<0.05
嘐ぇ	噤夔ㄨ	1.55±0.18	1.56±0.09	1.657	>0.05
	噤夔㎚	4.64±0.29	3.48±0.54	19.054	<0.05

2.3 垠刜寀岹伶偠嚶兟

噤夔ㄨ磬┣ 宦儰写┓ 二咕寁忏偕劂┻ 暨P>0.05暩暻噤夔㎚磬┣ 宦优慆噤夔ㄨ捻♫磬┘ 復傒宦♫┛ 傚埡宦暨P<0.05暩磬徨彙 3⇑

彙 3 垠刜寀岹伶偠嚶兟暨 $\bar{x}$ ±s暩

啌呼匚啥		復傒宦暨n=65暩	傚埡宦暨n=65暩	t	P
奶寀岹 學-6暨pg/mL暩	噤夔ㄨ	74.25±1.25	74.33±1.15	3.654	>0.05
	噤夔㎚	51.33±1.02	66.20±1.03	17.154	<0.05
岨奚伝嗚伶偠暨ng/L暩	噤夔ㄨ	119.85±4.21	120.11±4.22	1.225	>0.05
	噤夔㎚	94.22±2.30	111.39±2.03	20.335	<0.05
C㎡⁻关廛奶暨mg/L暩	噤夔ㄨ	5.44±0.98	5.39±1.11	4.887	>0.05
	噤夔㎚	3.21±0.14	4.12±0.25	19.352	<0.05

2.4 岤ㄖ峎匚啥

噤夔ㄨ磬┣ 宦儰写┓ 二咕寁忏偕劂┻ 暨P>0.05暩暻噤夔㎚磬┣ 宦优慆噤夔ㄨ㈥揮磬┘ 復傒宦揮┛ 傚埡宦暨P<0.05暩磬徨彙 4⇑

彙 4 岤ㄖ峎匚啥暨 $\bar{x}$ ±s暩

啌呼匚啥		復傒宦暨n=65暩	傚埡宦暨n=65暩	t	P
FEV1/暨L暩	噤夔ㄨ	1.56±0.25	1.59±0.24	5.241	>0.05
	噤夔㎚	2.52±0.33	2.22±0.47	10.223	<0.05
VC/暨L暩	噤夔ㄨ	2.18±0.36	2.17±0.35	3.625	>0.05
	噤夔㎚	3.33±0.45	2.80±0.36	15.021	<0.05
FEV1/FVC/暨%暩	噤夔ㄨ	65.63±7.15	66.03±7.02	2.988	>0.05
	噤夔㎚	81.25±9.52	73.58±8.22	10.474	<0.05

2.5 獷嘐匚啥

噤夔㎚磬復傒宦号亂咍呉呜暨P<0.05暩磬徨彙 5⇑

彙 5 獷嘐匚啥($\bar{x}$ ±s)

啌呼匚啥		復傒宦暨n=65暩	傚埡宦暨n=65暩	t	P
獷嘜搿丁奠暨%暩	噤夔ㄨ	88.33±1.25	89.05±1.25	3.652	>0.05
	噤夔㎚	95.24±2.36	91.56±2.23	10.285	<0.05
$PaCO_2$/暨mmHg暩	噤夔ㄨ	56.35±8.14	57.05±8.14	3.636	>0.05
	噤夔㎚	38.15±5.26	48.11±6.52	12.052	<0.05
PaO暨mmHg暩	噤夔ㄨ	70.47±7.58	70.65±7.85	2.022	>0.05
	噤夔㎚	88.65±8.52	79.44±8.22	11.254	<0.05

3 讨论

扚傚儀キ採噤刜史㊣⊡岤垠聲蟑掩嗯┬ 六刂吷尔┼ (ㄨ)乙呉娩她偯┗ 聲狄鹵ナ夼剞堡埣聲佢咤僆励ㄆ揹テ忱曬1暩傚匊キ偳否侧墆ピ戢變勷壛學噤夔 1 log▾ nm聲ナ噤夔叼哖刂吷┓ 墠剝曬2暩俑┤ 岤侠孳寁偊伉μℓ兢刜她卞 ⁸ 曬3暩匊キ二咕慆抄她夼媝呀挽聲夼剞慪冒採圖聲蓁呋ㄗ侜ㄉ× ⇑怎夼吹咱她岤懹⊡凌┓ (ㄨ)乙呉呜聲ⱶ 呖掫妻夼剞她┓ 吡甍僈聲伉姁呀挽ピ♂ 丅墇岤懹侧嶲佯她ㄋ孽聲甍扁丅墇岤┓ 冞⇐峋峮媔回嫽┤ 扇夼失聲兢┘ 慶♂卞 ⁸ 俑┤ 岤侠孳寁聲匏冢惀ダ慡垠失ㄗ关寬μℓ凌[4]⇑ 冶ㄟ┬ 六傚怎夼她二⊡ㄉ夼咪ㄹ慶┓ (ㄨ)乙呉娩聲ⱶ 呖忒┓ └ 匊キ咪⊡傚侧墆ピ戢變勷壛學屜巡刜她、 壛咕デ聲勣▾ 吳噱毘澤墠剝她噤夔叼哖⇑凅中儀キ採噤刜史㊣⊡岤垠ㄉ壛她扇徥伶學慶ㄨ匡匊キ偊伉ナ㎜ 夼㊣⊡劉唲μℓ兢失⇑咪⊡ㄋ匹岤垠史㊣⊡劉唲▾ nm聲♂伉┆ 偯媝異┐ 卞 ⁸ 嘐憺敓崺來峔她敓回-宋嗿囹掃孳寁聲ㄙ冯咪⊡她勷劉唲崀ㄔ聲勣▾ 傃呋μℓ兢ナ㎜ 寀聿匊夼磬劉唲聲♂咕咽● 崠夼聿劉唲μℓ兢ㄉ壛[5]⇑ 慲兡咾聲懹乙偕屘傚吣她復埣厒丅咾聲忒┳ 伉怎夼她ㄉ壛←ㄉ慢┤ 聲ナ扇徥她咪ㄹ慶ㄨ匡咪⊡冱垹她写兑シ瓮关嬉聲粟慮傚岤垠史㊣⊡劉唲傝崠她シ瓮寀峔囊卄←ㄉ岡㊦ⅲ 尳她乙儺剞ル甍彐乙哑丁娀媲ㄉ墇暲┳ 呎憟她岤垠史㊣⊡岤垠匊キ妠嗺聲怎變伻夬夼匊キ她 T 寀峔囊卄♂吳呜一冯聲捭娭 B 寀峔她侈嗨└ 乙卄聲┣ ♂伉┆ 偯媝異┐ 凅中 T 寀峔慈ㄩ她勷㊣堡写刜勷⊡聲兢┘ ㊣└ 咪⊡シ瓮怫嵛她扇徥伶偠┣咕呉呜她孷╒ 凌恥丅墇聲 憇シ瓮ⅲ峎孷╒ 堳儿她ㄉ壛♂一扇匊キ岤ピ她垠失聲伉姁呀挽ピ♂孽㊦岤懹侧嶲佯聲【澤夼剞甍僈憖慛聲一侧噤夔採異[6]⇑

伉㊣啓凡壛堜壼┤ 聲史㊣⊡呖呱儀她凡壛堜聲愖噔咕寀峔侍聲扚傚× 壘┘ 寀峔侍她侯偑聿學變←揎揯學變嫽勷壛學┓ 吐劉聲扁傚井怢戡變←嘝佢孨嶟變←仅墆學變←侧墆ピ戢變嫽勷壛學嗺慆吐劉[7]⇑ 扚傚儀キ史㊣⊡劉唲屘聲仅墆變巡堜峎佬家μℓ冽励咱撓撚←堔斀┤ 她噉媔扐聲堔斀♂敖唲聲傚倞乜キ撓撚她ㄉ岡♂、 壛勲ㄹ× 壘聲嘝佢孨嶟變巡堜慆呋冢惀┓ nA憓刜丁nA憓刜她岧嗀刜←ㄣ嗀刜ㄐ× 壘聲井怢戡變巡堜慆呋卞偾愚宦宪聲冢惀愚撓夼⇑墇掩嗯聲┬ 六┓ 徥【壘侧墆ピ戢變巡堜噤夔史㊣⊡劉唲匊キ聲愖nA▾ 憘慮寀肃寀峔峪聲nA憓刜她家μℓ寀肃啓孨⊡她 50S ⅲ佢聲峎佬勲ㄹ寀肃廛奶恺她μℓ励聲ㄉ午咬肃她× 壘叼哖[8]⇑安揯學┳ ┬ 六兑壘她侧墆ピ峏變巡堜聲ナ伉儀キ史㊣⊡岤垠噤夔她┤ 她☞埣┓ 徥ㄨ匡暉暨1暩捏峚噻倒壘巡nm聲ナ彊巡嚳異nA▾ 嫐㈲慉ㄩ撣僾ヘ暻暨2暩伉GHz⊡回丁宦宪┤全噴乙儺聲伉岤宦宪ピ她嚳異嗺彊巡嚳異撣湊俩づ聲伉⊡ピ☞卄乙儺nA▾ 毘澤咍俍她噤夔叼哖⇑ 埘扇娀媲ㄉ墇聲伉採噤刜史㊣⊡岤垠匊キ噤夔┤ ㈱宕【壘安揯學她叼哖┓《聲夙摵囤夕娀媲脩ダ←咕叼她屾μℓ壘巡吤唤⇑ 咤吐娀媲ㄉ墇聲復傒宦噤夔叼哖俍聲┘ ┬ 六失堳←垠刜ㄗ关←岤ⅲ峎㊦彊嘐匚啥号亂咍呉呜暨P<0.05暩聲彙呉屾μℓ壘巡她噤夔叼哖咍一呜帡聲┣ 徥㊣伶┳ 暉頇妄恺垀學傚シ瓮垠失ㄗ关峎俍┐、 壛咕叼她勲ㄹ× 壘聲【壘垀學慈ㄩ噤夔nA▾ 傚寀峔伶偠丁垠失▦ 恺她廖叹捭吡聲傚シ瓮堳分、 壛咕叼她怫嵛× 壘[9]⇑ 声嘒傸斌墨塈截扯偶伉勲ㄹシ瓮←勷垠←勷慮吐嫽× 壘叼哖聲伉史㊣⊡岤垠噤夔┤ 【壘怎巡堜峎佬咕叼勲ㄹ垠失ㄗ关聲【乙噭堜一傥聲一愿岤噷她ゲ彊丁嚶岨聲└ 安揯學屾μℓ壘巡聲峎佬ゲ乙ㄉ午㈹kℓ× 壘聲咕└┛ ぇ甍垠失她卼ㄹ丁mV叵聲一击夬夼刱侜⇑

寬┐ 勍憇聲俄ㄠ扉噻倒壘声嘒傸斌墨塈截扯←安揯學屾μℓ噤夔儀キ採噤刜史㊣⊡岤垠峎佬昆澤咍一呜帡她噤夔叼哖聲峎佬一愿┬ 六失堳←咪⊡她垠刜ㄗ关聲号亂ナ彊嘐匚啥聲屘㈥ナ岤ⅲ峎⇑

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