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冠心病心力衰竭不同治疗方案的实施效果分析

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【摘 要】：**目的：**分析美托洛尔联合曲美他嗪在冠心病心力衰竭治疗中的应用疗效。**方法：**入组本院 2020 年 12 月-2021 年 12 月心内科收治的冠心病心力衰竭患者共 100 例，随机分组，对照组的患者采取美托洛尔治疗，观察组则在对照组的基础上增加曲美他嗪。比较两组左心室射血分数达到 50%以上所需时间、住院时间、治疗前后患者血清脑钠肽水平、血压升压素、内皮素-1、心肌酶谱、彩超心功能指标、总有效率、不良反应。**结果：**观察组左心室射血分数达到 50%以上所需时间、住院时间短于对照组相应的指标，P＜0.05。两组与对照组相比，P>0.05；与对照组相比，磷酸肌酸激酶同工酶、左室收缩及舒张终末内径明显降低，左室射血分数明显增高，P<0.05；观察组与对照组相比，心衰疗效显著，P<0.05。两组的副作用比较无统计学意义，X^2=0，P>0.05。**结论：**美托洛尔联合曲美他嗪治疗心衰疗效显著，可以提高心功能、提高血清学及血管内皮功能，而且没有增加副作用，安全可靠。

【关键词】：美托洛尔；曲美他嗪；冠心病心力衰竭；应用疗效

Analysis of the Implementation Effect of Different Treatment Plans for Coronary Heart Disease and Heart Failure

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Abstract: Objective: To analyze the efficacy of metoprolol combined with trimetazidine in the treatment of coronary heart disease and heart failure. Methods: A total of 100 patients with coronary heart disease and heart failure who were admitted to the Cardiology Department of our hospital from December 2020 to December 2021 were enrolled and randomly divided into groups. The patients in the control group were treated with metoprolol, and the observation group was based on the control group. Add trimetazidine. The time required for left ventricular ejection fraction to reach more than 50%, hospitalization time, serum brain natriuretic peptide levels, blood pressure vasopressin, endothelin-1, troponin I, phosphocreatine kinase isoenzyme before and after treatment were compared between the two groups , Left ventricular ejection fraction, left ventricular systolic and end-diastolic diameter, total effective rate, adverse reactions. Results: The time required for left ventricular ejection fraction to reach more than 50% and the length of hospital stay in the observation group were shorter than those in the control group, P<0.05. Comparison of related indicators between the two groups of patients before treatment, P>0.05, while the levels of serum brain natriuretic peptide, blood pressure vasopressin, endothelin-1, troponin I, phosphocreatine kinase isoenzyme, left ventricular The systolic and end-diastolic diameters were significantly lower than those of the control group, and the left ventricular ejection fraction was significantly higher than that of the control group, P<0.05. The treatment effect of heart failure in the observation group was higher than that in the control group, P<0.05. There was no significant difference in adverse reactions between the two groups, x2=0.00, P>0.05. Conclusion: Metoprolol and trimetazidine have definite therapeutic effects on heart failure, and can effectively improve patients' cardiac function, serological and endothelial function, without increasing adverse reactions, and have high safety.

Keywords: Metoprolol; Trimetazidine; Coronary heart disease and heart failure; Application efficacy

厶处夼呖┆嫔兑徨她处岩夼罄┳徥呖厶堳ㄩ峚字唗卄冢惀她处癀嬝佳佺罄愦励处岌尔癀尔嘜⇑ 伉⁵⁰夼凵咱♂ 丅墇处剴←┼ 冇←处剝嫽失堳罄峋撓nm㎭咕垙埁劉←嫀刻劉嫽罄nA冢惀劒刜勸搞←处凔侮兑←处冇頀嫙←处在刜▀ザ壤峚嗚╨ ⇑处頀呖厶堳ㄩ峚夬夼┥ 呱兑徨她兢⁵⁰失⇑ ■ ⊡她嘜嘐慔憎峎冇♂┐ 捻罄处岌寀岶┼ ♂ 丅墇尔嘜罄 │ 屙冢惀处岌寀岶 ATP她㎌励捻♫罄寀岶ピ她吣捷▸ 怍峎冇捻♫罄处岩她叵尅ㄇ峎憙圁一冯[1-2]⇑峇ㄨ┳ 六┐ 慶噔咕扚傚厶处夼处冇頀嫙她巡堜罄┳ 徥呖勠侧厶堳ㄩ峚罄侈一癀嚦扉罄捻♫处岌屡嘜扉⇑ 咤娀媲夕宦咤掂 2020 兡 12 咔-2021 兡 12 咔处ピ娪叵噤她处冇頀嫙芻屘テ 100 〕罄掫咪乙宦罄傚埡宦扃壨搓勛嚏骨罄復傒宦▾ 咋搓▥ 京┳ 傚埡罄卹忖搓勛嚏骨└ 咋搓▥ 京屾㎌噤夔厶处

夼処頀她叼哖瞽俏┓ ⇑

1 资料与方法

1.1 ┆ 崹悚吗

夕宦咤掂 2020 兡 12 咔-2021 兡 12 咔処ピ媩叵噤她処冂頀嫙剪尉テ 100 〕瞽掇咪ゑ宦瞽ナ┤ 瞽傚埡宦壳/倍:27/23瞽処ㅠ峎ゑ宋 II 宋咕 19 〕瞽 III 宋咕 31 〕⇑ 兡斃 51-78 暨65.34±2.81暩僖⇑ 復傒宦壳/倍:29/21瞽処ㅠ峎ゑ宋 II 宋咕 20 〕瞽III 宋咕 30 〕⇑ 兡斃 52-78暨65.21±2.45暩僖⇑ ├ 宦寁忏偕嗺慆呜婗 P 侧╝ 0.05⇑ダ懹夼■ 婺μℓ WHO 厶堳ㄴ峊孛唗娥卄処冂頀嫙她妠デ忴吡啥ン瞽兢卻ｺﾞ╗ 咤娀媲她ダ懹ピ傃瞽崨劌㊣—咤忾摽兢嬓尧╗ 姬剝kℓ劂╟ ⇑ 卵掃呴冂掙娭⇐孤婧夬夼⇐┬ 六悚吗┓ 偨后⇐┓ 懅 │她剪尉⇑

1.2 吤噱

├ 宦优密└ 冱処暨伐撣愍堎瞽0.125mg/d暩⇐└ 傻暨MΩ佺嬕 20mg/d 弰ピ戢堎 20mg/d暩彏嬝孺冞學愰占戢勲ㄱ㎏暨悹懖呎└ 堎瞽20mg/d暩⇐婚截戢孌巡埬暨┏ 戣壢噣瞽20mg/d暩嫽兑循寬μℓ噤夔⇑

傚埡宦她剪尉扃ｸﾗ埣勛嚏骨噤夔瞽嗷嗂 47.5mg瞽嗷侨噤夔 1 嗂瞽噤夔 12 log⇑

復傒宦儿伉傚埡宦她佢娘┐ 侈—咋埣▥ 京⇑ 嗷嗂 20mg瞽嗷侨噤夔 2 嗂瞽噤夔 12 log⇑

1.3 復傒匚唅

嗺慆├ 宦優処偷倒彏ゑ同悻ㄷ 50%▾ ┐ 勍搵呀挽⇐♭ 掂呀挽⇐噤夔ㄨnm剪尉彏圄峗扯岦嚶狣⇐彏㊀㈥㊀學⇐ピ妄學-1⇐処岌戢悖⇐净惃処ㅠ峎匚唅⇐刽咕叼塺⇐┓ 嵑ｱ¯关⇑

1.4 夔叼唅ン

暨1暩呜叼瞫優偷倒彏ゑ同屘撣 30%▾ ┐ 瞽処ㅠ峎号亂 2 ┤ 嫽宋▾ ┐ 瞽鱖mV价採嫽失堳优囆侮暻

暨2暩咕叼瞫優偷倒彏ゑ同伉 20%-30%瞽処ㅠ峎号亂伉 1 宋▾ ┐ 瞽失堳号亂暻

暨3暩吳叼瞫噔咕◑ ⚁俍愰瞽壤崟咍┤ 扇⇑ 100%-吳叼塺=刽咕叼塺[3]⇑

1.5 寁忏偕吤噱

SPSS26.0 愚● 侚墠同鹵瞽├ 宦忏同同鹵 x^2 寁忏瞽├ 宦忏扉同鹵扃ｸﾗ t 啌摽瞽P暩0.05 彙婗儳写咕劂┗ ⇑

2 结果

2.1 ├ 宦優処偷倒彏ゑ同悻ㄷ 50%▾ ┐ 勍搵呀挽⇐ ♭ 掂呀挽嗺慆

復傒宦優処偷倒彏ゑ同悻ㄷ 50%▾ ┐ 勍搵呀挽⇐♭ 掂呀挽姁╝ 傚埡宦姌关她匚唅瞽P暩0.05瞽徨彙 1⇑

彙 1 ├ 宦優処偷倒彏ゑ同悻ㄷ 50%▾ ┐ 勍搵呀挽⇐♭ 掂呀挽嗺慆暨 $\bar{x}$±s瞽d暩

宦ㄴㄨ	優処偷倒彏ゑ同悻ㄷ 50%▾ ┐ 勍搵呀挽	♭ 掂呀挽
傚埡宦暨50暩	9.21±2.21	16.21±3.18
復傒宦暨50暩	6.21±1.24	14.21±2.21
t	8.601	7.921
P	0.000	0.000

2.2 噤夔ㄨnm彏圄峗扯岦嚶狣⇐彏㊀㈥㊀學⇐ピ妄學-1⇐処岌戢悖⇐净惃処ㅠ峎匚唅嗺慆

噤夔nm復傒宦彏圄彏匚唅⇐処岌戢匚唅⇐処ㅠ峎ピ凎妠デ她匚唅优呜帡♫╝ 傚埡宦瞽優処偷倒彏ゑ同呜帡撣╝ 傚埡宦瞽P暩0.05⇑ 俏彙 2 丁彙 3⇑

彙 2 噤夔ㄨnm彏圄偕匚唅⇐処岌戢悖嗺慆暨 $\bar{x}$±s暩

宦ㄴㄨ	呀咱	彏圄峗扯岦嚶狣暨pg/dl暩	彏㊀㈥㊀學暨ng/L暩	ピ妄學-1暨ng/L暩	岌扣廛奶 I	娩截岌截垿戢kℓ儩戢
復傒宦暨50暩	噤夔ㄨ	598.21±26.24	0.82±0.21	181.25±23.20	2.53±0.21	16.25±4.21
	噤夔nm	218.56±13.45	0.52±0.01	132.21±12.21	1.32±0.11	7.12±1.54
傚埡宦暨50暩	噤夔ㄨ	598.14±26.21	0.84±0.22	181.01±23.12	2.54±0.21	16.21±4.27
	噤夔nm	278.21±18.68	0.73±0.15	158.12±20.45	1.62±0.21	10.12±2.12

彙 3 噤夔ㄨnm净惃処ㅠ峎匚唅嗺慆暨 $\bar{x}$±s暩

宦ㄴㄨ	呀咱	優偷叵尅咣咱ピ凎暨mm暩	優偷崭冞咣咱ピ凎暨mm暩	優偷倒彏ゑ同暨%暩
復傒宦暨50暩	噤夔ㄨ	51.13±1.21	57.53±3.28	38.12±2.50
	噤夔nm	40.21±1.21	45.45±2.11	67.45±4.26
傚埡宦暨50暩	噤夔ㄨ	51.12±1.58	57.89±3.18	38.12±2.36
	噤夔nm	45.21±1.53	51.48±2.11	52.18±3.34

2.3 処冂頀嫙噤夔叼哖嗺慆

復傒宦処冂頀嫙噤夔叼哖撣╝ 傚埡宦瞽P暩0.05⇑ 俏彙 4⇑

彙 4 ├ 宦噤夔叼哖嗺慆[〕同暨%暩]

宦ㄴㄨ	呜叼	咕叼	吳叼	刽咕叼塺
傚埡宦暨50暩	14	26	10	40暨80.00暩
復傒宦	27	21	2	48暨96.00暩

暨50暩				
X^2				5.274
P				0.027

(噻暉┐ 卻彙 4暩

2.4 ┣ 宦┓ 嵑ㄗ关嗺慆

┣ 宦┓ 嵑ㄗ关傚嗺噔咕吳嗚儳写磤优丅墇 1 〕♫獷㊉磤ㄉ壛塺 2.00%磤x^2=0.00磤P暾0.05⇑

3 讨论

厶处夼呖厶堳ㄩ峉孛唗娥卄刜处岢夼她┆ 嫊磤偡♂傝崠处岌尔嘜磤处岌伝嗚磤┤ 扇她♂凅中ㄖ夼■ 她处ㄇ峎磤┤ 扇她♂㈱㊦ㄖ夼■ 她壛一⇑ 厶处夼呖┆ 嫊劒刜夫夼磤偡伉湊吹她呀な傲湊採影忴吡丅咾磤俏哖噔咕㊦呀她忴吡丁噤夔磤湊nA峎♂傝崠处ㄊ蒦嫙⇑ 厶堳ㄩ峉孛唗娥卄刜处ㄊ蒦嫙夼■ 她处卵獷傃扉⇐嘜慱慁丁处ㄇ峎优咕嗚帡她┐ 捻磤ナ壛囊囊ㄩ峎ㄊ┣ 嗚帡┐ 捻⇑ 慲夂兡磤壯⅃ 壛囊┣ 剴┓ ゃ丹磤撙鞶┣ 剴┓ μℓ墠磤厶处夼处ㄊ蒦嫙她ㄉ壛塺MW┐ (ㄈ)情ㄙ磤兢MW墇丅兡愿卄她情ㄙ[4-5]⇑ 伶嗔磤傚厶处夼处ㄊ蒦嫙夼■ 愻彐咕叼她噤夔呖揓兑屈徥她⇑ ㇱ寁她噤噱呖憟慮咘壨伐撣慾咾厖撣岤瀆墆⇐⊡瀆墆⇐厖撣处岌叵兡峎ㄊ⇐厖撣处惩丁慔丅峎ㄊ磤寀■ ⊡憖慖mV叵磤寀岮嘩卵丅磤寀獷回瀆墆磤呱宫憟慮傻回卵丅⇑ 庹埘nA▾ 慥ㄈ┆ 偯她叼哖磤♩呖㈠宕关壨伐撣慾叼哖兢┓ 俍磤伶嗔磤咍咕叼她噤夔吟噱傲劻┳ ┑ ■ ◆ デ噻她埔埐⇑ 咤娀媲呖伉兑循她噤夔吟噱她佢娘┐ 磤傚婈勛嚍骨丁咋婈▥ 京愻彐噤夔⇑ 咋婈▥ 京nA伉尔嘜⇐尔獷咽● ┐ こ勿寀岶她峎扉▸ 悍磤捨嗒寀岶┥ ATP ㎚扉捻♫磤ㄘ咘击慖磤ㄗ侜【壨nA寔匿噤夔咽挽她媦偯刜曉婈勛嚍骨nA▾ 憔匪刜她捭吡β1 ㄘ⊡磤♩傚β2 ㄘ⊡她捭圾叼哖慆儳磤伉 1.5-2 儀呀nm磤獷巡嚳巽♂慱ㄈ偠ㄟ磤┳ 徥壯岓峎唑偨励▸ 悍⇑

咤娀媲她励哖┥ 磤復傒宦優处偷偷獷乙同慱ㄈ 50%▾ ┐勍搵呀挽⇐ㄅ掂呀挽姁⅃ 傚埡宦妠关她匚啥磤P暼0.05⇑ ┣ 宦└ 傚埡宦妠嗺磤P>0.05暻└ 傚埡宦妠嗺磤娩截岌截坍戢kℓ儩戢⇐優偷叵尅㊦崭冞宫咣ピ凎吳呜捻♫磤優偷偷獷乙同吳呜侈揮磤P<0.05暻復傒宦└ 傚埡宦妠嗺磤处蒦夔叼呜帡磤P<0.05⇑ ┣ 宦她 ╢× 壨嗺慆吳寁忏偕劂┺ 磤X^2=0磤 P>0⇑ nA徨婈勛嚍骨屾μℓ咋婈▥ 京噤夔处蒦夔叼呜帡磤nA▾ 厖撣处ㄇ峎⇐厖撣獷囹偕㊦獷嬝ピ妄ㄇ峎磤扇┘ 噔咕侈—╢× 壨磤脩ダnA揔慷呖伶┳ 瞫沙咱她ㄩ峉孛唗娥卄♂冢惀处偷侍她獷回丨关丁尔獷⇑ 慄兑磤側巂佯她处岌寀岶㋇壛ヶ⅃ ⇐伝嗚nA傝崠处偷侍她叵尅丁摇关刜捻♫磤帶扇傝崠处ㄊ蒦嫙⇑ 厶处夼处ㄊ蒦嫙㋇夼刚磤夼剞厂塝磤夼媝挒磤吠侜㋇⇑ ㇱ寁她噤夔吟噱倆┳ 獷嬝ㄩㄊ偕巡堜磤ナ噤夔她崣她呖捻♫处岌她嘜囆屡⇐勠侧处岌≒史瀆墆⇐侈沍处岌崭冞丁叵尅峎ㄊ⇑ 扇处岌扇佷呖处ㄊ蒦嫙她┳ 徥㊉伶⇑ 婈勛嚍骨呖┆ 嫊二咕憔匪刜她β-1 ㄘ⊡捭吡ㄩ磤偡峎勲ㄇ キ嬬或峌丁β1 ㄘ⊡┻ 挽她姁╟ × 壨磤│扇一愿处峇恶匍磤捻♫处岌她嘜囆屡暻嗔俠磤咤严┓ 二咕任咕她匡╫ 剔丁崋媦偯刜⇑ 咋婈▥ 京呖丬京戡她彑壛堜磤伉尔獷尔嘜呀磤nAこ勿寀岶她峎扉▸ 悍磤兢慄慮客子⊡坍囊厖撣ATP磤▾ 寔匿ナ嗓兑她壛墠咪峎丁憘崋扯-扑嚦扉磤ぇ愻处岌寀岶她吣捷▸ 悍暻kℓ呀慶峎こ匿寀岶ピ墆侁她媦偯磤捨嗒寀岶圴徼丁ピ崋卞♗磤│扇こ勿处岌寀岶暻ㄟ侠磤咋婈▥ 京慶二咕勷岧┐ 峆學磤㊍声岧┐ 峆學磤勷ㄴ傻坍學× 壨⇑

寬┐ 勍憇磤婈勛嚍骨丁咋婈▥ 京屾μℓ壨⅃ 噤夔处蒦磤偡nA▾ 厖撣夼■ 她处岢ㄇ峎磤厖撣獷囹偕丁ピ妄寀岶她ㄇ峎⇑ 扇┘ 噔咕◑ ⊡ ╢× 壨磤脩ダnA揔⇑

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