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硝酸酯类药物治疗心血管疾病患者的药学分析

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摘 要：目的：乙哑姶截戢孌巡埬噤夔处彍嬝夬夼芻屘她巡偕剝儿⇑ 方法：憔匪勃掂 2021 兡 1 咔~2022 兡 1 咔处彍嬝夬夼芻屘テ 70 〕罊同偉彙掫咪乙 2 宦嗷宦 35 〕罊傚埡宦她芻屘密┺ 捰勛☎▥ 嘯←捰μF(ㄹ)哓嫽兑循巡埬噤夔罊復傒宦伉怎佢娘┐ 侈—姶截戢孌巡埬⇑ 嗺慆┣ 宦峋捀囆侮呀挽←处ㄟ(ㄩ)太央囆侮呀挽←噤夔ㄟnm芻屘攉囊恍扉忯乙←徬傒喤匡忯乙←刽咕叼塺←┓ 嵑ㄗ关⇑ 结果：復傒宦峋捀囆侮呀挽←处ㄟ(ㄩ)太央囆侮呀挽姁╝ 傚埡宦罊噤夔nm芻屘攉囊恍扉忯乙撣╝ 傚埡宦罊徬傒喤匡忯乙♫╝ 傚埡宦罊刽咕叼塺撣╝ 傚埡宦罊P瞥0.05⇑ 嗺慆╗ ┣ 宦处彍嬝夼夼■ 她┓ 嵑ㄗ关⇑ 家哖呜婗罊伉傚埡宦┤ 罊2 〕丅墇╗ 峤嵒垢安罊1 〕丅墇岓ㄒ峎愿奠卞偾罊4 〕丅墇岬岕┓ 慛罊20.00%她┓ 嵑ㄗ关暻復傒宦咕 2 fm芻屘峤嵒垢安罊4 fm芻屘咕愿奠岓ㄒ峎卞♁罊2 fm芻屘丅墇囆卌┓ 嵑ㄗ关罊20.00%丅墇┓ 嵑ㄗ关⇑ ┣ 宦夼■ 噔咕丅墇┤ 扇她兢ㄉ失罊┣ 宦┻ 挽她┓ 嵑ㄗ关ㄉ攉塺噔咕呜帡刜儳写暨P>0.05暩⇑ 结论：捰勛☎▥ 嘯←捰μF(ㄹ)哓嫽兑循巡埬噤夔她佢娘┐ 罊姶截戢孌巡埬傚╝ 处彍嬝夬夼她噤夔叼哖娊ㄘ罊nA咕叼号亂处ㄟ(ㄩ)太央嫽失堳罊┘ ぇ甍芻屘攉囊恍扉厒撣罊脩ダ刜撣罊へ澤即全⇑

关键词：姶截戢孌巡埬暻处彍嬝夬夼芻屘暻巡偕剝儿

Pharmacologic Analysis of Nitrates in Patients with Cardiovascular Disease

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Abstract: Objective: To analyze the pharmaceutical situation of patients with cardiovascular diseases treated with nitrate drugs. Methods: A total of 70 patients with cardiovascular disease in our hospital from January 2021 to January 2022 were selected. The number table was randomly divided into 2 groups with 35 patients in each group. The control group was given atorvastatin, aspirin and other conventional drugs, and the observation group was added with nitrates on this basis. The disappearance time of chest distress, the disappearance time of precardiac pain, quality of life score, visual analog score, total effective rate and adverse reactions were compared between the two groups. Results: The disappearance time of chest distress and precardiac pain in the observation group was shorter than that in the control group, the quality of life score of patients after treatment was higher than that in the control group, the visual simulation score was lower than that in the control group, and the total effective rate was higher than that in the control group, P < 0.05. The adverse reactions of two groups of patients with cardiovascular disease were compared. The results showed that in the control group, 2 cases of flushing, 1 case of mild liver function damage, 4 cases of gastrointestinal discomfort, 20.00% of the adverse reactions; in the observation group, 2 patients had flushing, 4 patients had mild liver function injury, 2 patients had dyspepsia, and 20.00% had adverse reactions. No serious complications occurred in 2 groups, and there was no significant difference in the incidence of adverse reactions between 2 groups (P>0.05). Conclusions: Based on conventional drug therapy such as atorvastatin and aspirin, nitrates have definite therapeutic effect on cardiovascular diseases, can effectively improve symptoms such as precardiac pain, and improve the quality of life of patients, with high safety and worthy of promotion.

Keywords: Nitrate drugs; Patients with cardiovascular disease; Pharmaceutical situation

厶处夼←撣彍㊀←撣彍峏←处岌吼嗚嫽呖┆ 婊兑徨她劒刜夬夼罊下媝慆抄罊禁夔价採罊消哖┓ ㊦呀咕叼她噤夔罊┓ ♩♂傚处峇㊦ナ偡仗偭她ㄒ峎憤励卞♁罊数夼■ 她攉偊丆攉偊憤励哌侧她俾岪罊勛▾ 媔哌傜嘪呃偑ダ她噤夔吤噱呖㈦乙扙徥她⇑ 伉处彍嬝夬夼她噤夔┥ 罊兑壨她巡埬咕捰勛☎▥ 嘯←憨☎▥ 嘯←呎☎▥ 嘯←嘗☎▥ 嘯嫽⇑ 姶截戢孌巡埬nA勠冞彍嬝罊nA▾ 捻♫nm優处偷她恶巢罊悆♫優偷她× ㄒ⇑ 处峇ㄟ←nm┣ 婊剝儿┓ 罊处岌嘜囆屡懿吳呜┓ 捻⇑ 伉┳ 六┐ 罊偡她× 壨揓兑憖憰罊nA▾ 一愿夼■ 她太央罊忤偁姶截戢孌她巡埬懿nA▾ 咕叼她捻♫处峇她峎扉⇑姶截戢孌巡埬nAぇ甍咪⊡、 攉┆ 嘜ㄴ嘎罊┆ 嘜ㄴ嘎呖┆ 婊冱咕ㄊ她彍嬝勠冞ㄨ罊【处峇彍嬝勠冞罊┆ 偯媝鼻寰徼处ㄟ(ㄩ)太央嫽失堳罊陀娀媲乙哑┐ 姶截戢孌巡埬噤夔处彍嬝夬夼芻屘她巡偕剝儿罊俏┓ ⇑

1 资料与方法

/,/ ┆ 崹悚吗

憔匦勃掂 0. 0/ 兡 / 咔|0. 00 兡 / 咔处獷嬝夬夼芻屘テ 5. 〕罊同偉彙掫咪乙 0 宧嗷宦 13 〕⇑ ナ┥ 罊傚埡宦壳 01 〕罊告 / 0 〕罊兡斃 2/ |56暨33,3/ ¤ 0,0/ 暩喜⇑ 夼媝 0|/ 0 兡罊挑优暨4,02¤ 0,30暩兡⇑ 復傒宦壳 01 〕罊告 / 0 〕罊兡斃 20|57暨33,30¤ 0,02暩僖⇑ 夼媝 0|/ 1 兡罊挑优暨4,34 ¤ 0,1/ 暩兡⇑ ┣ 宦寁忏偕嗺慆嗚婗 N 侧╝ . ,. 3⇑ 咤娀媲宰 ❀ 墠勫ン⇑ 夕憔咽● 瞫媝μℓ忴吡啥ン她夼■ 暻慷 │她夼■ 暻卵掃咽● 瞫咤忾摽┥ 咕巡埬慮吖她夼■ 暻岓峟⇐岧峟嫽仗偭ㄇ峎┓ 夕她夼■ 暻㊉伶┓ 吳她夼■ 罊廣囿愰嘝戤匷寍侈撣暻剌刜岨奚⇑

/ ,0 吤噱

傚埡宦她芻屘密└ 捰勛☎▥ 嘯 ↩捰μF㈡哓嫽兑循巡埬噤夔罊捰勛☎▥ 嘯 0. k e-嗂罊/ 嗂-b罊姃ㄨ氵咘⇑ 捰μF㈡哓嗷嗂 / . . k e氵咘罊嗷侨 / 嗂⇑ 5b-/ 夔媝罊0┥ 夔媝nm忯◐ 夔叼⇑

復傒宦伉怎佢娘┐ 侈一姶截戢孌巡埬⇑㈱姶截写傎商戢寰廖堎 0. |2. k e-嗂罊囿唑氵咘罊/ 嗂-b罊5b-/ 夔媝罊0┥ 夔媝nm忯◐ 夔叼⇑

/ ,1 復傒匚唅

嗺慆┣ 宦峋捀囆侮呀挽⇐処ㄨ(ㄖ)太央囆侮呀挽⇐噤夔ㄨnm芻屘攉囊恍扉忯乙⇐徬傒喤匡忯乙⇐剞咕叼塺⇐┓ 嵑 ㄗ关⇑

/ ,2 夔叼唅ン

嗚叼暺芻屘峋捀罊処ㄨ(ㄖ)太央罊尜揲ダ懹囆侮罊処岤ㄇ峎⇐獷嘐舔偯家哖嗚婗罊 R 噸丁 QR 嗯咢徨写兑暻咕叼暺芻屘峋捀罊処ㄨ(ㄖ)太央罊啰揲囆侮罊処岤ㄇ峎⇐獷嘐啌嗸优吳写兑罊処壳佤嗚婗 R 噸MW嚨嵓勃㊣妠罊 QR 嗯崭寰暻吳叼暺夼■ 峋捀罊処ㄨ(ㄖ)太央罊尜揲噔咕一愿勃一┣罊処峟⇐岤⇐獷嘐嫽匚唅优吳呉嗚号亂勃剌丱罊処壳佤嗚婗 R 噸㊦ QR 嗯吳呉嗚她号亂勃剌丱⇑

卵掃吳叼塺忏嬚剖咕叼塺ᵛᶠ⇑

/ ,3 寁忏偕吤噱

伉 QNQQ00,. 思● ┥ 罊忏同 v0 寁忏罊忏扉 r 啌摽罊N暋. ,. 3 彙婗儳写咕劂┻ ⇑

2 结果

0,/ ┣ 宦峋捀囆侮呀挽⇐処ㄨ(ㄖ)太央囆侮呀挽嗺慆

復傒宦峋捀囆侮呀挽⇐処ㄨ(ㄖ)太央囆侮呀挽乙ㄙ呖 1,0/ ¤ / ,0/ b⇐1,/ 7¤ . ,23b 姁╝ 傚埡宦 3,34¤ 0,0/ b⇐3,56 ¤ / ,/ 6b罊N暋. ,. 3⇑

0,0 噤夔ㄨnm攉囊恍扉忯乙⇐徬傒喤匡忯乙嗺慆

噤夔ㄨ┘ 宦芻屘攉囊恍扉忯乙⇐徬傒喤匡忯乙嗺慆罊N暾. ,. 3罊屙噤夔nm┣ 宦攉囊恍扉忯乙⇐徬傒喤匡忯乙优号亂罊屙復傒宦攉囊恍扉忯乙嗚帡撣╝ 傚埡宦罊徬傒喤匡忯乙嗚帡♫╝ 傚埡宦罊N暋. ,. 3⇑ 俏彙 / ⇑

彙 / 噤夔ㄨnm攉囊恍扉忯乙⇐徬傒喤匡忯乙嗺慆&v¯¤ q

宦ㄙ	呀咱	攉囊恍扉忯乙	徬傒喤匡忯乙
復傒宦	噤夔ㄨ	54,/ 1¤ / ,72	3,03¤ / ,06
暨13暩	噤夔nm	71,34¤ 1,0/	/ ,/ 7¤ . ,01
傚埡宦暨13暩	噤夔ㄨ	54,/ 1¤ / ,56	3,0. ¤ / ,03
	噤夔nm	61,3/ ¤ 1,/ 0	0,27¤ . ,45

0,1 剖咕叼塺嗺慆

復傒宦剖咕叼塺 11暨72,07暩撣╝ 傚埡宦 04暨52,07暩罊N暋. ,. 3⇑

0,2 ┣ 宦┓ 嵑ㄗ关嗺慆

嗺慆┐ ┣ 宦処獷嬝夼夼■ 她┓ 嵑ㄗ关⇑ 家哖嗚婗罊伉傚埡宦┥ 罊0 〕丅墇┐ 峤嵓埸安罊/ 〕丅墇峟ㄇ峎愿異卞偾罊2 〕丅墇岬岕┓ 慘罊0. ,. . # 她┓ 嵑ㄗ关暻復傒宦咕 0 fm芻屘峤嵓埸安罊2 fm芻屘咕愿異峟ㄇ峎卞 ⇕ 罊0 fm芻屘丅墇囆卅┓ 嵑ㄗ关罊0. ,. . # 丅墇┓ 嵑ㄗ关⇑ ┣ 宦夼■ 噔咕丅墇┤ 扇她兢㘝失罊┣ 宦┻ 挽她┓ 嵑ㄗ关㘝攉塺噔咕嗚帡刜儳写暨N<. ,. 3暩⇑

3 讨论

処獷嬝夬夼呖┆ 孌壯瀆墆孳寁冢惀她┆ 孳尢夬夼⇑┳ 徥ᵒᵒ匡処峟⇐獷嬝暨ㄩ峚⇐捏峚⇐凡獷嬝暩罊nA▼ 乙┳ 刚刜咱丁劒刜咱罊┳ 徥└ ㄩ峚娥卄妠ぞ⇑ 偡◆ 她夼伶⇐㘝夼慮媝丁噤夔吤窅妠◆⇑ 処獷嬝夼她丹侜噤夔嗺慆价採罊扁┘ ┳ 六┐ 【壨她┓ μℓ墠罊媝夼■ 她慡⊡丁攉一偑ダ响励╗ 哌侧她俾岪罊奏傃呋冢惀(ㄖ)芻宇宜罊【(ㄖ)夔咘┤採▼ 悻ㄷ呱《她叼哖ᵛᵒᶠ⇑

兑徨她姶截戢孌巡埬咕暺暨/ 暩崒┐ radѕ咘暺姶截壢噣丁囆処央呖兑徨她radѕ咘孌巡埬罊┆ 崹崒┐ radѕ咘 / |0 k ɡ nA惀ㄷ寰徼× 壨罊巡叼匷寍 / |0 儀呀罊傚刚刜失堳咕慆俍她夔叼暻暨0暩氵崌五掸仗暺咕姶截写傎商戢五掸ㄓ ⇐ 姶截壢噣五掸ㄓ罊媝妻氵崌ピ她巡埬mV叵揖媔侧罊巡叼愁憰罊伉 1 乙扮ピ傲峎悻ㄷ呱撣嚶挑罊慘壨╝ 刚刜処寀央暩暨1暩氵咘巡埬暺㈱姶截写傎商戢⇐囆処央罊┥ 叼匷┻ 罊叼哖匷┻ 罊叼哖媦偯罊慘壨╝ 厶処夼芻屘暻暨2暩捏峚噻倘暺姶截壢噣勃┘ 姶截写傎商戢罊× 壨媦偯罊徨叼愁憰罊巡埬壨扉nA怫后罊傚峤峟咕┆ 偯她▸ 悍× 壨罊└ ㄐ× 壨慆傥罊慘μℓ╝ 処蘉芻屘⇑

姶截戢孌巡埬她壨噱咕暺暨/ 暩挽吡窓巡⇑ ┆ 侨 02 儀呀挽吡密└ 罊伉 4 儀呀┻ ピ┓ 【壨罊挽接呀挽啾卤巡埬她(ㄉ)蘉咱娊偯罊兢┘ 匷寍【壨她匷寍呀挽儀╝ 26 儀呀罊俏哖呖媦偯剃処寀央芻屘罊ㄌnA伉奶侨撣ㄓ扉罊周┐ ♫ ㄓ扉暻伉周┐ 搏宄㘝× 呀罊nA▼ 伉奶侨♫ ㄓ扉罊周┐ 撣ㄓ扉罊勃屾μℓ【壨姁叼丁拶叼巡埬⇑ 暨0暩偢巡埬家μℓ惀咾⇑ 伉┳ 六┐ 罊└ ㄘㄣ⊡捭吡ㄓ家μℓ【壨罊吳nA捻♫姶截戢孌巡埬她壨扉罊㊤nA厒撣ナ巡叼罊捨嗒姶截戢孌巡埬她屜巡剃ᵛᶠ⇑

咤娀媲彙呉罊【壨姶截戢孌巡埬傚処獷嬝夼她剖咕叼塺撣罊兢┘ ㄐ× 壨儀罊夼■ 她攉偊恍扉嗚帡厒撣罊彙呉怎巡伉号亂処寀央⇐号亂処岌尔獷⇐勠侧厶堳ㄩ峚塈媻吤揖咕湊侧她关壨◐ へ⇑ ♩俏⊡こ掙芻屘她┳ 六【壨偑ダ罊呖(ㄖ)┤■ Gy⇐芻屘丁傻僊搔徥忒姲列展她挪搔ᵛᶠ⇑

咤娀媲呜婗聲復傒宦峋捀囆侮呀挽⇐処ㄟ(ㄩ)太央囆侮呀挽姁╝ 傚埡宦聲噤夔nm匊屘攉囊恺扉忯乙撣╝ 傚埡宦聲徬徯喤匡忯乙♫╝ 傚埡宦聲剞咕叼塺撣╝ 傚埡宦聲N瞥. ,. 3⇑嗺慆╗ ├ 宦処彉嬝夼夼■ 她┓ 嵑ㄗ˜关⇑ 家哖呜婗聲伉傚埡宦┥ 聲0 〕丅墇╗ 峤嵓坳安聲/ 〕丅墇岓ㄒ崀愿異卞偾聲2 〕丅墇岬岕┓ 懩聲0. ,. . # 她┓ 嵑ㄗ˜关暻復傒宦咕 0 fm匊屘峤嵓坳安聲2 fm匊屘咕愿異岓ㄒ崀卞 ⍝ 聲0 fm匊屘丅墇囆丱┓ 嵑ㄗ˜关聲0. ,. . # 丅墇┓ 嵑ㄗ˜关⇑ ├ 宦夼■ 噔咕丅墇┤ 扇她兢ㄉㄆ失聲┣ 宦┻ 挽她┓ 嵑ㄗ˜关ㄉㄆ攉塺噔咕呜帡刜儳写暨N<. ,. 3暩⇑ 徥婗こ┬ 六壨巡僞ダ聲搤徥伉壨巡她kℓ呀聲冔嬓ゃダ她巡偕忯◐ ㄱ異聲傚夼■ 懟彐┤ 刜丱忯◐ 聲媔哌揯捨┓ 嵑ㄗ˜关丁侚墠┓ 嵑ㄗ˜关聲▾ 徼リ(ㄖ)匊宇宜⇐侚墠俍(ㄖ)匊デ孳聲━傀(ㄖ)夔搢搁聲阨撣壨巡僞ダ刜⇐μℓ墠刜⇑

寬┐ 聲棵勛☎▥ 嘯⇐捰μF(ㄦ)嗂嫽兑循巡堜噤夔她佢娘┐ 聲姶截戢孌巡堜傚╝ 処彉嬝夬夼她噤夔叼哖娗ㄊ聲hA咕叼号亂処ㄟ(ㄩ)太央嫽失堳聲┘ ぇ愻匊屘攉囊恺扉阨撣聲僞ダ刜撣聲へ澤即全⇑

参考文献：

Y/[咿嗃,姶截戢孌巡堜噤夔処彉嬝夬夼匊屘她巡偕乙哑Y卜,┤ 份墇► 巡堜关壨ㄊ0. 00ㄅ4&1'8⍉0. 3+0. 5,

Y0[帳揭ヅ˜捷慹┤ ˜啠括彾˜将冔呒,姶截戢孌巡堜噤夔処彉嬝夬夼她巡偕关壨◐ へ乙哑Y卜,┤ 份墇► 巡堜关壨ㄊ0. 0/ㄅ3&2'8⍉/0+//2,

Y1[∠倦倦,姶截戢孌巡堜噤夔処彉嬝夬夼她┬ 六叼哖㊦巡偕乙哑Y卜,┤ 份墇► 巡堜关壨ㄊ0. 0/ㄅ3&4'8⍉02+/04,

Y2[捰┓ 匑嗥§ 塻偋˜捰 ㄧ 厖匑§ 嵙囁厖儴ザ,姶截戢孌巡堜噤夔処彉嬝夬夼匊屘她┬ 六復傒乙哑Y卜,┘ 壼呱吣(ㄖ)偕ざ刻吐叁ㄊ0. /7ㄅ7&/'8⍉47) /52,