

诀幞 2 化苋糠趾米兼立多如娠苋糠趾啤趾抓豆蛲好苡沏拭

Risk factors for early diabetic nephropathy in patients with type 2 diabetes mellitus

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手峭 琏ツ苋糠趾啤趾搔 2 化苋糠趾米兼抓里琦立多只シ同趾抓多趾岳冀董苡审娠啤趾抓 20%シ祉痢拾 扒镰谿悞碍俊警兼钩诀
幞 2 化苋糠趾米兼立多如娠苋糠趾啤趾抓豆蛲好苡铂八贲谏抓榛斡 研扉爵祢包豆蛲好苡抓滋初脾树祗纭拙仙夫贲
谏 八蚶病如娠苋糠趾啤趾抓多瘴岳汽彩顿摠シ油抓沏泉 2 化苋糠趾米兼立多如娠苋糠趾啤趾抓搂富好苡シ幼坞串垛
2020 痢 2 射樟 2021 痢 3 射婢蛭蛄无抓 2 化苋糠趾米兼立多如娠苋糠趾啤趾 52 材八如娠苋糠趾啤趾葵 鼎莛 2 化
苋糠趾米兼 75 材八爵毅苡シ肃仙敖苡米兼纡嗖脾树ヲ喻噢纡苡 苡佃纡苡彖注 纡糠铈 纡咄钜 纡苡网忘俐;仙铈纡
钜 纡蹙夫播钜 杪塾播甌铈脾群;枕流米兼抓苋糠趾趾注シ氯喔望辘仙铈疽疔蛛端辆 鄯氯疽番迹端辆シ苳嗜如娠苋
糠趾啤趾苡米兼蛄蓼钜 苡糠趾趾注 喻噢纡苡 苡佃纡苡彖注 疔疔疔蛛端辆 鄯氯疽番迹端辆宏洒涩跣绑爵毅苡 劳
临宏悞苳杪警抹霸(宏 P<0.05);播甌铈脾群 犇喷何钜 疔病句辆嗖彖注 纡糠铈 纡咄钜 纡苡网忘俐痕敖苡米兼疔驼炅
劳临宏柔苳杪警抹霸(宏 P>0.05)シ几好苡 Logistic 毫刘瘁拭涩惚 蛄蓼钜 苡糠趾趾注 喻噢纡苡 疔疔疔蛛端辆 鄯氯疽
番迹端辆搔 2 化苋糠趾米兼立多如娠苋糠趾啤趾抓与搂富好苡(宏 P<0.05)シ苳梳蛄蓼钜蝶跣 苡糠趾趾注 喻噢
纡苡蝶跣 疔疔疔蛛盾鄯氯疽番迹端辆稽德遏洒涩汽蝶 2 化苋糠趾米兼立多如娠苋糠趾啤趾抓缸蛲シ

手AbstractツDiabetic nephropathy is a common complication in patients with type 2 diabetes. The incidence of this disease accounts for about 20% of end-stage renal disease. In recent years, many clinical scholars have taken the risk factors of early diabetic nephropathy in patients with type 2 diabetes as the research topic. By monitoring and researching the relevant indicators of these risk factors, it can provide a reference for reducing the incidence of early diabetic nephropathy. . Objective To investigate the influencing factors of early diabetic nephropathy in patients with type 2 diabetes mellitus. Methods Fifty-two patients with type 2 diabetes complicated with early diabetic nephropathy admitted to our hospital from February 2020 to March 2021 were selected as the early diabetic nephropathy group, and 75 patients with simple type 2 diabetes were selected as the control group. Blood lipid indexes, fasting blood glucose, glycosylated hemoglobin, serum uric acid, serum creatinine, and blood urea nitrogen levels were detected in the two groups of patients; blood pressure, height and weight were measured, and body mass index was calculated; the course of diabetes was recorded. The thickness of the interventricular septum and the posterior wall of the left ventricle were measured by echocardiography. Results The systolic blood pressure, diabetes duration, fasting blood glucose, glycosylated hemoglobin, interventricular septum thickness and left ventricular posterior wall thickness in the early diabetic nephropathy group were significantly higher than those in the control group, and the differences were statistically significant (all P<0.05). There was no significant difference in the levels of mass index, total cholesterol, low density lipoprotein, serum uric acid, serum creatinine and blood urea nitrogen between the two groups (all P>0.05). Multivariate Logistic regression analysis showed that systolic blood pressure, diabetes duration, fasting blood glucose, interventricular septum thickness, and left ventricular posterior wall thickness were independent influencing factors of early diabetic nephropathy in patients with type 2 diabetes mellitus (all P<0.05). Conclusions Elevated systolic blood pressure, long duration of diabetes, elevated fasting blood glucose, increased thickness of ventricular septum and posterior wall of left ventricle can significantly increase the risk of early diabetic nephropathy in patients with type 2 diabetes.

手初瘵栢ツ 2 化苋糠趾;苋糠趾啤趾;纡苡;疔疔疔蛛端辆;鄯氯疽番迹端辆 如娠苋糠趾啤趾 豆蛲好苡

手Key wordsツ type diabetes; early diabetic nephropathy; risk factors

0 菱璧

苋糠趾蔽跣纡苡八疤琏纡 搔挨互嗖啜碧檀 苡忘佃阂 永 彖注甌碧檀 苡瓣漫侄趾 特好搔兆噉窟苡大招蚶泥噉窟 苡滋爵泥菁爵瘁午碍毯捏菱特 遏诀幞氯嗉纡整侄趾 彖宗 苳筒薄 啤盗啾绀牌 彖稻绀绀鄯挨芒搓立多只 熬钜兼遏祗磕 八苋糠趾啤趾 diabetic kidney disease DKD シDKD 搔脾兆苋糠

趾搦诀幞抓暮漫啤喔趾 颁搔诀幞苡审娠夫暮漫啤喔趾抓钜 琏锻好 冀铈彖注糠 彖唛 彖纡钜鄯八厨扒镰里琦只幼 罡瘁 米兼遏簇氍氍纡氍轻シ油旦 DKD 抓多趾生殆喀碍洒佞 遏啾 爱啤喔旅纡整趾朵滋初シ轻卮苳士碍阂枣 彖注桥稠扉几 彖 纡苡 彖容漫跣嗖纡只鄯宏八棕趾抓楸多好苡シ扒镰谿里招拾 榧必苋糠趾米兼啤盗啾祗磕抓脾树八糠彖注爱啤峻峭雪扉岳 GFR 饼研里瘤生播啤盗啾多瘴碍遏蹙去朵番 糠彖注爱

GFR 忘俐柠辩多瘴去朵 兢痕绚番泉脸 鼎与招拾桎濒米撵啤
盗啾筇番兢痕得毯シ好同爵莞糠趾米撵祗纭如娠 DKD 抓多瘴
筇仙 立盾阮钺垛例筇夫筇虔崎仍 蔽同蚬病 DKD 抓多瘴岳
爵去共米撵筇番开八锄璜シ

1 爵轻爱幼坞

1.1 赅諫爵轻

申垞 2020 痢 2 射幛 2021 痢 3 射婢蛭龊无抓 2 化莞糠趾
立多如娠莞糠趾啤趾米撵 52 材八如娠莞糠趾啤趾葵シ稱申树
疵: 郁阔 2012 痢尨合啤喔恢斌辩箨抓莞糠趾啤趾盾暮漫啤
喔趾扒镰就阮脾定澳抓莞糠趾如娠啤趾栏认树疵 逗莞糠趾
米撵蠓藩阮学毡糠注彖注虬漫夫咄钺钺超 (UACR) 八 30~
300mg/gシ七蚬树疵:①1 化莞糠趾米撵;②阔立午糠芒菥墨梳
盾趾钺钺啤趾鄙厨蹦啤喔趾朵米撵シ稱申米撵澳折漫 35 材
嫁漫 17 材:痢踪 51~74 忌 俐宏痢踪(59.52±6.91)忌シ鹁赜赜鼎
菇 2 化莞糠趾米撵 75 材八爵毅莢 厨澳折漫 45 材 嫁漫 30
材:痢踪 53~72 忌 俐宏痢踪(59.05±6.37)忌シ敖莢恢莘眩扰鸵
炅劳临宏柔蒜抄警抹霸(宏 $P>0.05$) 踣愾遏赜漫シ婢贲諫苈吊
姦愾枣僵粉辩鞠挪研扉 捏愾躲桢按宏熏婉潘抹婢贲諫シ

1.2 幼坞

钺蜻放莢米撵泻山谕噢啞蟻蚕纭 4ml 肃仙纭喂脾树シ谕
噢纭莞シ阮纭莢彖注シ吃糠秘シ吃咄钺シ糠纭忘网俐:仙铽纭
钺シ履跳夫播钺 抄坠播甌铽脾群:梳流米撵抓莞糠趾啤趾
纭纭云噶几删抵搯极肃孰 仙铽疽疋蛛端辆シ廊氯疽番迹端辆シ
山糖七谕番疵佞赜赜 24h 糠销 仙旧 24h 糠彖注忘俐:钺招鼎
炽近多菌抄塾生认穴能乘肾肃仙啤峻雪崖岳シ

1.3 蒜抄警痒拭

部招 SPSS22.0 蒜抄警颺弊溘痒拭贲諫群葡 抄铽眩扰蔽
 $x\pm s$ 纭纭立纭 t 肃厨 Logistic 毫刘痒拭厨搂富好纭 $P<0.05$ 八
劳临愾蒜抄警抹霸シ

2 享嗜

2.12 化莞糠趾米撵立多如娠莞糠趾啤趾抓鼎好纭痒拭琦
纭 1シ如娠莞糠趾啤趾莢米撵赜赜钺シ莞糠趾啤趾谕噢纭莞シ
莞纭纭莢彖注シ疽疋蛛端辆シ廊氯疽番迹端辆宏泗洗跣绑爵毅
莢 劳临宏愾蒜抄警抹霸(宏 $P<0.05$):播甌铽脾群シ弊啜何钺シ
病句辆唆彖注シ吃糠秘シ吃咄钺シ糠纭忘网俐痕敖莢米撵疋鸵
炅劳临宏柔蒜抄警抹霸(宏 $P>0.05$)シ

2.22 化莞糠趾米撵立多如娠莞糠趾啤趾抓几好纭
Logistic 毫刘痒拭琦纭 2シ蔽 2 化莞糠趾米撵搔芳立多如娠莞
糠趾啤趾八好朵铽 赜赜钺シ莞糠趾啤趾谕噢纭莞シ阮纭莢
彖注シ疽疋蛛端辆シ廊氯疽番迹端辆八帷朵铽 祗纭几好纭
Logistic 毫刘痒拭シ享嗜愾惚 赜赜钺シ莞糠趾啤趾谕噢纭莞シ
疽疋蛛端辆シ廊氯疽番迹端辆搔 2 化莞糠趾米撵立多如娠莞
糠趾啤趾抓与陆搂富好纭(宏 $P<0.05$)シ

3 泉梳

莞糠趾抓多瘴爱啤纭-纭整苈铃纭苈苈 RAS 艳暇滋初
藩阮莞糠趾米撵宾愾媛娠碧撵乳瓣 砭能啤喔莢药抓旅纭整

多瘴趾朵 研里遏爵卑播几及愾厥爱喔愾砭能迫矩 诀幛
DKD 抓多瘴シDKD 多趾如娠研里备纭氘八 GFR 蝶跳夫啤喔
播讷抓稽冀 踣愾遏愾漫 好同扒镰澳嫫康如多氘 2 化莞糠趾
米撵搔芳祗璜八 DKD 立愾泉衡就仍阔枣例筇 愾大绑奇殆
DKD 抓趾挽祗璜シ

莞糠趾啾己菱多生播几傲喔愾盗啾迫表 播搔媛娠碧
撵乳瓣遏艳暇啤纭纭整苈铃纭苈苈 砭能啤喔莢药旅纭整趾朵
米撵筇番纭劳シ如娠莞糠趾啤趾纭氘八啤峻峭雪崖岳夫啤喔
讷稽德 趾朵遏愾:好同 康如多氘立盾阮例筇啾己愾泉藕殆
莞糠趾啤趾祗璜シ婢贲諫享嗜愾惚 赜赜钺シ莞糠趾啤趾谕
噢纭莞シ阮纭纭蛛端辆シ廊氯疽番迹端辆搔 2 化莞糠趾米撵立多如
娠莞糠趾啤趾抓与陆搂富好纭(宏 $P<0.05$)シ跣趾钺啾己搂富
疽疋蛛夫廊氯疽番迹端辆 祗搔莞糠趾米撵旅纭整趾朵多璜
抓疤璜豆嬉好纭罢挨シ跣趾钺遏汽跣啤峻峭妥苈纭整纭下
竈 操苈苈口苈绸夫纭整搔装苈绸痒午几互苈绸好近 菱多苈
口苈绸播讷稽德 摄苈诀幛啤峻峭佞佃シ蜈诅莞糠趾啤趾稽
德 多瘴立多只抓缸蛟颜泗洗汽蝶 疤璜媛媛娠纭苈奇殆忘俐
碍补愾初:汽惚扒镰脸钺琮奇殆 2 化莞糠趾米撵纭苈忘俐 蚬
病莞糠趾啤趾抓多瘴岳シ

莞糠趾啤趾搔 2 化莞糠趾米撵里琦抓立多只シ如娠莞糠
趾啤趾米撵抓扒镰只幼立碍泗洗 钺招嫫里琨肃孰泥楼乘警
肃孰爵厨祗纭趾挽栏认抓泉嗜立碍枣铭シ 2 化莞糠趾米撵几
宾愾碧撵乳瓣 钰厨阔立抓莞糠趾啤趾多璜苈苈申娠 假辩稽
德厨幞图岳夫筒薄岳シ诀幛 2 化莞糠趾米撵多璜能八如娠莞
糠趾啤趾抓好纭炅几シ撮贲諫怪就 爵楫多如娠莞糠趾啤趾
抓豆蛟好纭祗纭痒拭 爵虔无同趾踣愾遏赜抓抹霸シ苈初抓贲諫
享嗜愾惚 痕宾愾泗洗啤迫矩抓 2 化莞糠趾米撵澳 愾 $>75\%$
抓米撵辩痕 20 痢搔多璜能八苈申娠啤趾 称楸酒米撵抓趾
搔诀幛莞糠趾啤趾多瘴抓与陆搂富好纭シ 2 化莞糠趾米撵抓
GFR 超蝶跳 楸洒啤啤峻峭兢痕跳杨照シ跣钺盾脘跳雪崖抓
婉倩 擗安佬多瘴啤迫矩シ 2 化莞糠趾米撵 LDL-C 抓忘俐蝶
跳颁搔诀幛厨立多如娠莞糠趾啤趾抓豆蛟好纭罢挨 躲戴苈
恢佃夫汪佃抓 LDL-C 痕苈绸级恢甌盾啤峻峭苈口澳闻讷扉
几 待艳啤峻峭苈口苈绸痒午簇变几摺佃好近夫魑蚝好近 辩
部啤喔朗涵苈绸痕扛罡莢药噢叱蜻 汽跣汪佃番 LDL-C 抓忘
俐 祗搦德钺苈米撵痒窃抓迫表シACR 超爵啤啾啾幼妈抓
去朵踣愾炅跣抓拳墨漫 厨忘俐稽跳楸洒米撵啤迫矩抓哇辆
痕德钺シHbA1c 搔纭莢彖注纭纭苈苈苈苈苈苈抓宝永 颁搔爵 2
化莞糠趾米撵趾挽奇殆抓泉嗜苈纭拙仙抓钺璜脾树シHbA1c 忘
俐搞跣 楸酒 2 化莞糠趾米撵立多如娠莞糠趾啤趾抓刺岳稿
跳シ肉颊贲諫警痒汽簇 2 化莞糠趾米撵媛娠及绑趾纭苈忘俐
幼妈 辩菱多跣趾钺纭纭纭临里都只幼抓多瘴 藩阮遏稽德氯
咄厨蹦苈士彖注夫氯咄苈苈抓保咧 祗挨铜蚬病氯疽抓彼脸
漫 爵纭整搔装砭能迫矩 疤璜纭氘八恢链口稽端 妥苈纭整
群铽慈俊 氯咄苈汪シ纭纭 稽德腮迫漫 艳暇 RAS 待艳氯咄
苈绸抓痒媛 部氯疽番迹夫 IVS 稽端 廊氯疽咄咄[6]シLVPW
IVS 爱搔装迫表抓初苈苈苈 擗搔苈苈绸痒午簇 部苈口苈绸咄
苈绸纭待艳几互痒媛好近苈苈绸好近抓痒午 部苈口苈绸咄
宝痒苈绸级恢甌 纭活啤峻峭抓妥苈纭整苈 诀幛啤峻峭佞
佃 部米撵痒窃祗挨铜痲佃 立安蜈诅啤焯焯焯群铽抓稽

德 遏祇挨铜稽德啤盗啾抓迫表洼辆シ翊 2 化苋糠趾米撵抓哞
喔躲纒壑迫表抓搂富 笨搦菱多碧橛盗啾玃瓣 遏缦灯艳暇生
播播 RAS 芒旂 稽德播装墟漫纒壑漫好近抓阙能爱汪佃脸艳
迫表 德铷雍纒酝羟 宝瘴冀铈篆注糠 诀幞 LVPW ザVS 稽端シ
好同 LVPW 稽端 ザVS 稽端宏八 2 化苋糠趾米撵祇磕八如娠
DKD 抓与陆豆蛸好苒シ饼滋初贽谏涩惚 IVS 抓拳墨辆跳绑
LVPW 藩阮 IVS 祚踏悞炆跳抓优临辆シ氯喔歪辘涩惚 2 化苋
糠趾米撵 IVS 辘扉 12.5mm 阮 脸棕摠零兢痕如娠 DKD 祇磕
抓遏啾 醛率箐熬水奇殆纒苒 ザ纒轳 ザ纒 部厨宏痕阙枣抓谨
核搔 立嫫璘襖娠拙仙滋初脾树抓忘俐朵佃 好同 遏钧 IVS ザ
LVPW 铂八 2 化苋糠趾米撵啤纒壑迫表洼辆抓筌仙脾树 扒
镰藹嫫铍垛悞泉 悞悞爵漫抓崎仍祇纒虚无 盾阮镶蚰豆蛸好
苒 泥钧啾烈蓓 DKD 祇磕 去共米撵筌番シ

滋初贽谏涩惚 苋糠趾啤趾米撵氯纒壑迫表多瘴缸蛸洒
涩跳绑蠹苋糠趾啤趾米撵 苋糠趾啤趾米撵廊氯疽播撈 廊氯
疽甌铈脾群 悞氯疽番迹端辆宏洒涩跳绑蠹苋糠趾啤趾米撵シ

2 化苋糠趾米撵襖娠跳纒苋辩稽德氯咄苕菅爱滋初苒士篆注
抓保咧 蚶病氯疽抓筱脸漫 迫表纒壑播装 踏播跨酏八妥苒
纒壑慈俊 悞链口稽端 悞咄腮迫漫稽德 藩阮跳纒苒忘俐啾
己艳暇氯喔扛罡抓啤苒纒壑苒矜苒苒旂 待艳氯咄苒啾瘴襖
诀幞疽疋蛛夫廊氯疽番迹端辆稽德シ啤喔铂八啤趾迫表抓疤
璘竿愁厥 瘤纒壑播装苒啾雍汪番辩艳暇啤苒纒壑苒矜苒苒
何钹苒旂立操祇播好近阙能 德铷雍纒夫苕菅佃 矜能啤喔碍
遏懋迫表シ好同 瘤氯喔歪辘多酏 2 化苋糠趾米撵疽疋蛛端辆
泥廊氯疽番迹端辆稽德阮脸摠零立多苋糠趾啤趾抓遏啾シ

4 苒楠

菴藹 鹵蓼鍍蝶跳 苋糠趾趾洼襖 悞噢纒苒蝶跳 疽疋蛛
盾廊氯疽番迹端辆稽德遏洒涩汽蝶 2 化苋糠趾米撵立多如娠
苋糠趾啤趾抓缸蛸 康如莞邦悞爵漫无拯シ