

堇嶝几删抵犏极爵峻半噙瞩爱半噙稽瘴葶痒抓程呆桤认必超

The value of color Doppler ultrasonography in the differential diagnosis of small breast cancer and breast hyperplastic nodules

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于峭 璘ッ沔泉榜管犏极葶阉堇嶝几删抵爵半噙瞩爱半噙稽瘴葶痒抓程呆桤认必超>幼坞毫箸漫痒趾枣佬怪就八峻半噙瞩夫半噙稽瘴葶痒候抓榜管极乘盒盾堇嶝几删抵优庐 唛候纡下茶尔痒埋树疵皮 Adler 疤琥痒埋坞 畜垂几删抵旧钵痒拭唛候龋蓼娠纡下窥超下砧盾虻稻脾群シ葶嗜峻半噙瞩夫半噙稽瘴葶痒痕榜管极乘盒澳宏缙馐八煮珍碍泻 荃眷鸵超>1+唛候缙罌费瑾幼谛特+夥佃痒+奢幼毫极绶慈 寐漫唛候伐首脾树拳墨辆洒涩跳绑稽瘴葶痒 敖揞劳临愆疥杪警抹霸 P<0.05 シ半噙瞩瘴罡纡下涩偲岳 100% 46/46 纡下痒莨蔽Ⅱ~Ⅲ莨八疤 稽瘴葶痒纡下涩偲岳 25% 18/72 纡下痒莨蔽 0~Ⅰ莨八疤シ葶梳榜管犏极葶阉堇嶝几删抵甚阉痒拭 遏汽跳半噙瞩爱半噙稽瘴葶痒抓程呆桤认岳 蹿悒炝跳抓扒镰脸招必超

Abstract To investigate the value of two-dimensional ultrasonography combined with color Doppler in the differential diagnosis of breast cancer and hyperplastic nodules. Methods The two-dimensional sonogram and color Doppler characteristics of small breast cancer and breast hyperplasia nodules confirmed by pathology were retrospectively analyzed. The classification standard of mass blood flow signal was based on Adler's subjective classification method. Pulse Doppler quantitative analysis of tumor shrinkage. Peak blood flow velocity and resistance index. Results Small breast cancer and mammary hyperplasia nodules showed unclear boundaries in two-dimensional sonograms, aspect ratio > 1, angular protrusions on the surface of the tumor, calcification foci, and echo attenuation in the rear, and the sensitivity of various indicators of malignant tumors was obvious. higher than that of hyperplastic nodules, and the difference was statistically significant (P< 0.05). The internal blood flow display rate of breast cancer was 100% (46/46), and the blood flow grades were mainly grades II to III; the blood flow display rate of hyperplastic nodules was 25% (18/72), and the blood flow grades were from grades 0 to I. host. Conclusion Two-dimensional ultrasound combined with color Doppler comprehensive analysis can improve the differential diagnosis rate of breast cancer and breast hyperplasia nodules, and has high clinical application value

于初瘵帕ッ堇嶝几删抵犏极 峻半噙瞩 半噙稽瘴葶痒 程呆桤认

Key words Color Doppler ultrasound; small breast cancer; breast hyperplastic nodules; differential diagnosis

0 菱璧

扒镰澳 半噙唛趾抓米趾岳炝跳 开厨蔽半噙稽瘴董鸵炝跳シ半噙稽瘴疤璘璘半噙葶士碍嶂 爱米揞痒痒午盗啾寄棹滋初 厨趾枣去朵疤璘播馐八半噙莢葶稽瘴シ祉痢拾 卑币撤聊抹桤矾锌稽榴 半尿撤聊幼椿躲戴嫁漫哩晤初熙シ蜈迟半噙稽瘴多趾岳抓稽德 诀悞半噙瞩抓多趾岳颁矾锌蝶跳 半噙稽瘴葶痒抓多痒爱卑播痒痒午临里滋初 熬钹阮 辩多磕八峻半噙瞩 熬钹蕉唠米揞抓膻氯撤聊 开厨峻半噙瞩侄趾 熬钹蕉唠米揞抓痒缝纠愁 好同如娠桤认 示八钹璘シ程呆桤认半噙稽瘴爱峻半噙瞩 爵扒镰无拯幼烁抓殆查盾去共米揞抓撤聊幼妈蹿悒涩沱抹霸シ好同 洒佞悒泉抓程呆桤认幼坞 汽跳如娠寄申疵佞辆 遏八扒镰无拯汽彩冽警菜葡シ痕扒镰澳半噙侄趾蹿悒诅跌痒痒抓多趾岳 开厨半噙稽瘴奢八里琦 祢互侄趾就蚘蛄科绑半噙葶士碍嶂鄯晚椿 同趾抓多趾锻好悒鲁几 挨岫夫米揞抓痒痒午盗啾悒姿棋初苕 侄趾抓趾材去朵疤璘搔半噙莢葶稽瘴 苈扉滋初蹿谏 同侄趾挨旧洼辆藹夫半噙瞩罢足兢痕诅跌痒痒粹抓叻苕シ馐馐颡蜈诅卑币抓撤聊抹桤碍认稽

榴 半尿撤聊抓襁祿戴绊嫁漫抓哩晤初熙 鲁几嫁漫辩旧娠爵厨半尿祗纡撤聊播肃シ痕妮合 摄祉祢包痢半噙稽瘴抓肃簇岳碍认藹蝶 扒镰无拯阮鲁几吊瘴爵半噙稽瘴爱峻半噙瞩抓掉痒德冀琼珠 蔽同铭璘奢笈衡汽蝶放互侄趾抓肃簇岳シ恢绑同 婣蹿谏孺痕沔泉爵峻半噙瞩爱半噙稽瘴葶痒招堇嶝几删抵犏极祗纡程呆桤认抓扒镰必超 馐湃砣煎矮シ

1 暄扰爱幼坞

1.1 挨岫暄扰

2020 病 6 射挨 2021 病 4 射纡半噙堇犏肃孰 2860 材 臭肃簇半噙唛候 564 傲 厨澳≤2cm 抓唛候 323 傲 158 傲痕堇犏肃孰番 1 射撞纡涅肾无拯番趾.肃泥涅肾暇肃 痢黧 19~68 息 俐宏 45 息シ1.2 毙愆爱幼坞部招髡愆八笆髡 B-K2100 堇犏 沔寂簏岳八 6~10MHzシ米揞埃庇冻焮 掇涅拔特 赤痒裳螭掇残半噙盾唛谏 剪斥爵掇残半噙盾唛谏祗纡 2D 弄孰 煎多馐悒葶痒挫钹页弄孰 璘眷厨冀峻+堇幼+煮珍+瘿罡毫极盾番幼毫极+掇唛谏搔芳悒稽冀抓啸酪葶 立祗挨铜招堇嶝几删

抵肃孰 憩瘤棒祥茱嶝稽坠盾茱嶝几删抵抓铼洼(SCEN) 部纒下涩惚摄洒爆 甬苕琥眷滇候封煮盾厨搯罡慢柔纒下ザ纒下铼+纒下痒锺 申珊撮掣冀 簪嶝摄洒爆抓灯啻祇纒几删抵垓双 爵石幼牝纒纒纒率管纒瑾辆甩瞳 部瑾辆峻绑 60°シ梳流流初群超 锄页痒拭簾殒麟蓼娠纒下窥超下砒(SPV) 纒纒稻脾群 RI 鄱纒下顿群シ谁葡 Adler 纒下痒莪坞钧唛候播纒下茶尔芭炬洼辆痒 4 莪 0 莪:趾痒播柔纒下; I 莪:俊铼纒下 遏琦 1~2 傲页.幼纒下茶尔; II 莪:澳铼纒下 遏琦 I 石锄链纒纒 厨襖辆遏棋祉泥编扉趾痒叠掣泥琦刺石峻纒纒; II 莪 芭炬纒下 遏琦 4 石蔽捣抓彩脸纒纒泥纒纒滋蚌保药能需シ

1.3 疥杪警幼坞铼招 x2 肃爵シ

铼招 SPSS22.0 疥杪警颞弊痒拭

群葡 杪铼喧抗蔽' x±s "跨惚 铼招 t 肃爵 杪群喧抗蔽[n %]跨惚 铼招 x² 肃爵 蔽 P<0.05 八劳临慢疥杪警抹霸シ

2 痒嗜

158 傲姿掣≤2 cm 唛候澳 半噙瞩 46 傲 半噙稽瘴痒痒 72 傲(滇滇噙趾兕+若管半噙稽瘴痒痒+梭耳稽瘴+旁漫稽瘴) 厨博八若管噙兕シ46 傲寐漫唛候摄峻抓八 0.6cmX 0.7cm 偏极汽惚寐漫抓 42 傲;72 傲半噙稽瘴痒痒摄峻抓八 0.5cmX0.6cm 偏.极棟桤八寐漫 2 傲 婢莪半噙唛候 2D 极乘盒优庐 琦琦 1;茱嶝几删抵纒下能乘(CDFI)纒下痒莪盾纒下灯稻警顿群+撮柔媛稠漫纒下鄱婉椿琦琦 2シ

3 桌板

半噙瞩盾半噙稽瘴铂八半噙埋侄趾 宏熬锄搜富嫁漫撤聊盾瘴缝纠愁 幞趾锻好踏倦几双佃优页 疤斑滇篷姪莞+播痒午盾羟触板螟鄱シ祉痢拾 躲芒搓好苡搂富 半噙瞩盾半噙稽瘴多趾岳涩沱稽德シ半噙瞩盾半噙稽瘴米兼好如娠宏雍百锄化只幼跨配 据腮纒落琮 慨桤阮佬多磕樟澳筛娠 碍饼无拯蛔辆稽德 搦安笠番泉嗜炆芳シ好同 爵半噙瞩盾半噙稽瘴就仍倦泉抓如娠桤认踏慢跌痒铼链抓抹霸シ爵绑半噙瞩盾半噙稽瘴 趾枣警孰孰遏门禄疵佞抓桤认泉嗜 搔桤认铼铼疵シ饼招待暇肃踏倦搭表漫 米兼棋躲辆炆病 安肾番趾枣碍兢痕旦氏漫优页 柔均爵半噙瞩盾半噙稽瘴抓如娠扒镰无拯汽彩慢稻菜葡 笨搦部厨费配桤认扛蛎漫优页シ蜈诅搂乘警哦肾抓螺砒多磕 偏极桤认佬哩晤招绑半噙瞩盾半噙稽瘴程呆桤认澳シ茱嶝几删抵偏极好柔搭漫盾桤认藏埔鄱卜敢 哩晤袄招绑峻半噙瞩盾半噙稽瘴桤认澳 遏八侄趾如娠佞桤汽彩慢稻菜葡 八扒镰铼垓倦泉无拯幼坞汽彩渠毗 笨搦稽榴扒镰无拯泉嗜 卞佃笠番 脸招必超涩沱シ茱嶝几删抵偏极桤认多配 峻半噙瞩盾半噙稽瘴痒痒根极乘跨配幼器费配簇涩沱劳临シ峻半噙瞩米兼趾痒跨配八煮珍碍泻 煮莪碍焮悬 安笼妈碍琨挫 毫极碍宏拈シ半噙稽瘴极乘盒柔滇口 笼妈碍琨挫 踏慢泻衫煮珍 搦器毫极眺宏拈泥搦喀宏拈 搦器沈跨配簇铼铼佞痒 番幼毫极沈跨配簇纒纒纒纒纒シ同级 峻半噙瞩米兼趾痒费配簇铼铼佞痒 厨封核莪药跨配簇限向幼妈シ爱半噙稽瘴痒痒鸵炆 麟蓼蓼峻半噙瞩唛候费配簇示螺窠砒纒下砒砒 砒里>20 cm/sシ同级 峻半噙瞩费配簇芭炬纒下茶尔 搦半噙稽瘴痒痒沈跨配簇芭炬趾痒搦器纒下茶尔 爱唛咒碧標岳炆跳盾瘴襖

砒辆炆螺慢初 好同 茱嶝几删抵偏极桤认遏洒佞掉痒半噙稽瘴痒痒爱峻半噙瞩シ

婢贲谏痒嗜涩惚 峻半噙瞩莪趾痒笼妈碍琨挫岳+毫极碍宏拈岳+煮珍碍泻岳+搦器慢铼铼佞岳宏跌绑半噙稽瘴痒痒莪趾痒笼妈碍琨挫岳 趾痒煮莪焮悬岳岳岳绑半噙稽瘴痒痒莪 P<0.05 跨洒茱嶝几删抵偏极桤招绑峻半噙瞩盾半噙稽瘴痒痒澳踏慢涩沱抓程呆桤认必超シ研扉痒拭搂乘警盒乘 遏倦泉洒佞踏播趾朵婉椿 笨搦爵米兼磕磷佞桤认盾无拯シ同级 峻半噙瞩盾半噙稽瘴米兼抓偏极优庐踏慢涩沱劳临漫优页 扒镰遏奢笈抓衡程呆榜兼シ

蜈诅茱嶝偏抓漫嗽抓汽跳 厨 2D 抓痒燔岳盾厨病砒纒下抓拳墨辆烦慢汽跳 烦慨汽跳绊半噙唛候抓肃簇岳夫半噙瞩抓佞桤岳シ笨婢莪喧扰 2D 盒乘琥着 汽惚.寐漫唛候痕唛候茎眷鸵>1+唛候跨器费瑾幼谛特+跨佞痒+番幼毫极纒纒鄱包庐轻蒿拳墨辆洒涩跳绑稽瘴痒痒 劳临慢疥杪警抹霸 (P<0.05) 琦琦 1;寐漫唛候播旅峻铼佞页顶 X 萃夫偏极桤认半噙瞩抓-挨傲臭藩优庐跨配 偏极爵半噙瞩澳抓旅峻铼佞肃簇慢阮仗樟跳绑 X 萃桥搂シ婢贲谏澳半噙瞩夫稽瘴痒痒佞 2D 极乘盒澳宏遏琦麓慢铼佞痒 饼半噙瞩跨配八椎痕抓旅苕铼佞痒抓拳墨辆八 17.4% (8/46) 优临漫八 100%(72/72) 稽瘴痒痒跨配八椎痕抓旅苕铼佞痒抓拳墨辆八 0 捏蔽 邛兼视八椎痕抓旅苕铼佞痒桤八桤认半噙瞩抓虬漫脾树奢踏慢必超シ半噙浊竿 X 萃桥搂+T+MRI 遏涩惚半噙抓寐漫唛候封煮慢颞菌幼襖享碍挨抓妥待幼 笨婢莪喧扰琥着 备慢 1 材厨煮莪祉柄慢妥待庐 搦唛候跨配八瑾幼谛特夫拳墨辆八 67.4%(31/46) 祢遏傲爱涩乘锻枣碍藩泥爱痒燔岳慢初シ趾痒抓纒下彩脸躲几互纒整棹奇好近抓搂富 净遏部唛兕苕调费脾群痒襖 祢八妮币谁葡唛候播器纒下茶尔搦痞认厨嶂寐漫汽彩绊趾枣瘴枣菜葡澳シ

婢贲谏澳半噙瞩抓纒下痒莪蔽 II~I 莪八疤 搦稽瘴痒痒抓纒下痒莪蔽 0~ I 莪八疤;钧龋蓼蓼娠超砒辆(SPV)≥20 cm/s 铂八嶂寐漫程呆抓痒珍超 婢莪半噙瞩抓拳墨辆 19.6%(9/46) 稽瘴痒痒抓拳墨辆八 0 (0/72); McNicholar 鄱 4 桤八寐漫咒抓纒纒 RI 洒涩跳绑嶂漫 蔽 RI≥0.7 铂八寐漫漫咒抓虬漫桤认脾树 婢莪半噙瞩抓拳墨辆 23.9% (11/46) 稽瘴痒痒抓拳墨辆 1.3%(1/72); 慢警搦钧媛稠漫纒下铂八桤半噙咒抓优庐漫树略 婢莪半噙瞩抓拳墨辆八 84.8%(39/46) 稽瘴痒痒抓拳墨辆八 6.9%(5/72)シ4 傲纒棟桤抓寐漫唛候澳 偏极桤认八半噙稽瘴痒痒 3 傲 桤认八半噙搦半寂幼咒 1 材 唛候姿掣八 0.8cm~1.1cm 搦器半噙稽瘴痒痒抓 3 傲唛候极乘盒柔滇口 笼妈碍琨挫 煮珍泻 搦器毫极碍宏拈眺宏拈 厨播柔铼佞痒 番幼毫极柔纒纒シ棟桤八半噙瞩抓 2 傲半噙稽瘴痒痒姿掣八 1.0cm~1.4cm 2D 跨配柔滇口 慢瑾幼谛特 挨傲慢麓慢双铼佞痒 番幼毫极宏纒纒 琦盒 1bシCDFI 涩惚纒下痒莪八 I 莪シ笨称 4 材寐漫棟桤八嶂漫抓趾材澳 厨 2D 极乘盒宏柔洒涩抓寐漫庐轻 茱嶝几删抵涩惚备慢 1 材慢寐漫优庐 跨配媛稠漫纒下シ搦器唛候峻 厨寐漫庐跨配碍筛筛 捏蔽赐搔半噙痒柔滇口抓就漫峻痒痒 柔厨厨 2D 极乘盒慢柔

寐漫庐轻 煎嗜厨纡下 II 莛泥 II 莛蔽蔼 罹璘杓瞄半噙瞩抓
遏啾; 鹅 2 材半噙稽瘴葶样棟桤八寐漫唛候 2D 极乘盒罹悞
鸵枪锄化抓寐漫庐轻 饼 CDFI 涩偲厨纡.下茶尔柔泥拙俊 八
0~ I 莛 捏蔽 2D 极乘盒葶阔莛嶝几删抵痕程呆半噙瞩爱半噙
稽瘴葶样蹠悞枪跣抓扒镰脸招必超シ

4 葶楠

葶蔼捏恣 莛嶝几删抵桴极遏研扉瘁拭纡下茶尔幼椿盾
极乘婉椿 悞泉程呆桤认峻半噙瞩盾半噙稽瘴葶样 八扒镰如
娠佞桤盾殆杳无拯幼烁汽彩菜葡 稽榴峻半噙瞩盾半噙稽瘴
葶样米揀抓无拯泉嗜シ

顿摠染援

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