

# 搐睿烱登矮旅搭涅肾爵跣纡镀嗉簇纡米兼纡唛泻蚘岳夫扒镰 拯泉抓搂富蹇谏

## Hematoma clearance rate of endoscopic-assisted minimally invasive surgery in patients with hypertensive intracerebral hemorrhage and clinical effects

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夙哨 璁ツ蜈诅俟辩抓碍认多磕 躲羟触板螟ㄣ瘳暇镀稻ㄣ藿货好改鄱碍认朵佃抓菴阙搂富 跣纡镀抓扒镰多趾岳费酝簇挨旧抓 蝶跣掣敌ㄣ米兼痢黥颁费酝簇绊痢旌佃抓掣敌 伐傲痢黥颁卑拊澳宏遏琦跣纡镀米兼ㄣ跣纡镀佬筱纡桎就搔诀幞氩嗉 纡壑侄趾多趾抓豆蛲好苴ㄣ铂八跣纡镀熬钷立多只罢挨抓跣纡镀嗉簇纡 多趾炆八凑蛲 饬扒镰犬无碍盾阮遏姿棋蕉 唠米兼瘳缝撤聊シ好同 锆爵跣纡镀嗉簇纡抓扒镰犬无夫滋初蹇谏蹇悞钷璁抓酝就抹霸夫蹇谏必超ㄣ浊旦 扒镰苻酹 视八 钹招涅肾幼坞无拯跣纡镀嗉簇纡遏蔽垆禄焯笈抓扒镰泉嗜 开厨搔祉痢拾痕旅搭枣笋夫哦肾抓脾诀矮 搐睿烱 登矮旅搭涅肾痕无拯跣纡镀嗉簇纡靡洼澳缡酝簇绊挨旧抓鸵炆ㄣ敌ㄣ婢染八沏泉搐睿烱登矮旅搭涅肾爵跣纡镀嗉簇 纡米兼纡唛泻蚘岳夫扒镰泉嗜抓搂富シ

**Abstract** With the continuous development of society and the comprehensive influence of changing dietary habits, life pressure and environmental factors, the clinical incidence of hypertension presents a certain upward trend. The age of the patients also showed a younger trend, and hypertensive patients were seen in all age groups. Hypertension has been proven to be a risk factor for cardiovascular and cerebrovascular diseases. Hypertensive intracerebral hemorrhage, one of the serious complications of hypertension, is more dangerous, and if the clinical treatment is not timely, it can directly threaten the life and health of patients. Therefore, the clinical treatment and related research for hypertensive cerebral hemorrhage have important practical significance and research value. At present, clinical experience believes that surgical treatment of hypertensive cerebral hemorrhage can achieve good clinical results, especially in recent years under the guidance of minimally invasive concepts and techniques, endoscopic-assisted minimally invasive surgery has been used in the treatment of hypertensive cerebral hemorrhage, showed a certain comparative advantage. This article aims to investigate the effect of endoscopic-assisted minimally invasive surgery on the hematoma clearance rate and clinical effect in patients with hypertensive intracerebral hemorrhage.

**初瘵柏ツ** 搐睿 旅搭涅肾 跣纡镀嗉簇纡 纡唛泻蚘岳

**Key words** endoscopy; minimally invasive surgery; hypertensive intracerebral hemorrhage; hematoma clearance rate

### 0 菱璧

蜈诅吊拯哦肾抓多磕 余苻搐睿旅搭涅肾矾铈铈招绑跣 纡镀嗉簇纡抓扒镰无拯澳 厨拯泉爱彪苻磷笈纡唛泻蚘肾滋 鸵蹇悞鲁冀抓芳临シ婢蹇谏蔽妮蛭 2020 痢 1 幢 2021 痢 1 射 龠无抓 88 材跣纡镀嗉簇纡米兼八蹇谏爵铈 谁葡涅肾无拯幼 坞抓碍藩钧厨瘳八爵毅莠夫桉酹莠シ爵毅莠就仍峻酌谡磷笈 肾无拯 桉酹莠就仍搐睿烱登矮旅搭涅肾无拯ㄣ鸵炆焯莠抓扒 镰拯泉ㄣ瘳肾滋初脾树ㄣ苻苻盗嗽ㄣ茹里瘳暇嗽稻ㄣ瘳番樾瘳ㄣ 尧只好近脾树忘俐ㄣ粒多只多瘳婉椿シ

### 1 暄扰爱幼坞

1.1 挨响喧扰申砵 2020 痢 1 射幢 2021 痢 1 射龠无抓 88 材跣纡镀嗉簇纡米兼八蹇谏爵铈 谁葡涅肾无拯幼 坞抓碍藩 钧厨瘳八桉酹莠夫爵毅莠 伐 44 材シ桉酹莠米兼痢黥 45~73

息 俐宏 60.35±4.21 息 多趾瘳涅肾阮疋 2~23h 俐宏 4.52± 1.03 h 跣纡镀趾洼 5~18 痢 俐宏 12.02±2.01 痢 簇纡铈 31~52mL 俐宏 39.63±1.38 mL 折 25 材 嫁 19 材シ爵毅莠米 兼痢黥 44~72 息 俐宏 59.87±5.60 息 多趾瘳涅肾阮疋 2~ 22h 俐宏 4.60±1.32 h 跣纡镀趾洼 5~17 痢 俐宏 11.94± 1.88 痢 簇纡铈 30~51mL 俐宏 39.44±1.50 mL 折 26 材 嫁 18 材シ敖莠米兼抓挨响喧扰鸵炆 芳临柔苻杪警抹霸 P> 0.05 シ婢蹇谏佬纡吊警愠枣僵粉辩挪疵シ

1.2 苻稠盾七蚘树疵苻稠树疵 顿摠ㄣ嗉簇纡澳琿吊桉拯 脾定璇檀ソ澳滋初树疵 安苻寂笈杪塾生认亢能乘 computedtomography,CT 肃孰佞桉兢痕嗉簇纡 簇纡铈八 30~ 52mL 八励藹嗉簇纡 兢痕锻多漫跣纡镀 水刨刃杆萨恙樾瘳 Glasgowcomascale,GCS >8 瘳 瘳缝播庐谓旧 咳ㄣ啤ㄣ氩鄱喔 愠盗嗽瞳里 多趾瘳稠蛭无拯阮疋<24hㄣ七蚘树疵 嗉钉澳ㄣ灯 蟻蚘纡壑振笈鄱捏幞抓嗉簇纡 瘳兢娠<6 傲射 阙立芸余蜚 佗ㄣ苻苻盗嗽蜚佗 兢痕纡销ㄣ冲吱苻苻侄趾 兢痕酥蚘漫嗉讷

忘/冀铼嗉疽播簇纒シ

### 1.3 幼坞

爵毅莠就仍峻酌谱磷笱肾无拯シ愁臆脍销番町登米搯插毗阔憩播炳 肾旦部招舳大献 Brilliance64 七驷融 CT 弄弃毙树梳涅肾稠育 车 6~7cm 姿粹堕 康铼疆磷米搯抓余莠罢炳蔽盾钷璉纒壑 粹磷寂装就仍笱酌橙尽 车峻酌谱 4.0cm×3.0cm 粹磷伉嗉シ苻阙寂笱 CT 蔽嗉媛锆佞旧米搯抓踏播纒唛罢炳 铼招氨招熙菌愍叛簇罢痒纒唛蔽奢笱衡慈饕シ蔽掇示遮此粹磷米搯媛待罢炳抓嗉装甌 奇殆粹堕襞辆痕 1.5cm 廊而シ痕涅旅奢矮痒表及枣矮莠莠葑 就仍纒唛曝矸洲 琼铂澳熙抹插俳米搯瞳里抓嗉纒蔽盾嗉莠葑シ戴烹米搯纒唛及番 蔽飞菱愍飞簇图玷纒唛 招瘴枣捉忘哆疾垂席 川招掇示遮此毙[读聚 萤拾咎 纤定 吊拯冽哦悒蛭仇饵 化尔 TJMS-2000-1]酮纒 芦链酮纒番砧葵蓬下壑シ初笱シ校爵莠就仍播窳焯登矮旅搭涅肾无拯シ愁臆脍销 谁葡米搯抓踏播纒唛炳奔町登厨垛阔憩播炳 镶托鹤勒 绑肾旦 CT 树梳及车姿粹堕 襞辆八 4~5cm 部招半谛幽磷愍幽磷寂装 佞插树梳页及绑肾镑瞳澳悸 笱酌赤痒涅媵番 橙 2~3cm 姿掇抓酌尽 “ 跌 ” 荆粹磷伉嗉シ 掇示遮此扛罢样颐米搯嗉装亢 罢番诘旅粹磷及枣シ苻阙 CT 佞旧纒唛抓踏播炳蔽蔽盾写辆 吴纒唛幼矾蓓暮融 颀奔稠余莠播窳媛待莠钾 待稠幃米搯抓纒唛曝播 亿番裴簇媛待莠钾播荆 砧奔森酒级钾壑铂八涅肾研砩シ纒唛泻蚰靡洼澳康铼疆磷米搯封核纒唛迹蔽盾纒壑抓滋初此纒候 矾锌毫沁诀壑 赤痒飞簇纒唛曝播纒唛 研靡森洒钾壑迹瓠着米搯嗉莠葑踏播簇纒唛椿 就仍酮纒例笱シ招瘴枣捉忘芦链爵纒唛曝祗纒垂席 媵纒 灵蚝纒茯シ裴簇级钾壑初徧伉嗉シ 蒨阙寂装シ

### 1.4 琥眷脾树盾拯泉桎必树疵

1 鸵炆敖莠米搯无拯番 1 傲射抓扒镰拯泉シ拯泉桎必树疵顿摠染援 恢婢无膜八米搯瘴暇遏帷枣 生播盗啾攻疾 兢痕警板啾稻 涅泉八米搯生播盗啾炆无拯旦攻疾 70%~80% 恢婢遏瘴暇帷枣 憬泉八生播盗啾炆无拯旦攻疾 60%~69% 兢痕图侄抓挽椿 螭璉躡卑祗纒渍俳 柔泉八米搯萨惹碍锦 兢痕瘴缝播庐碍谗旧挽椿シ莽憬泉岳= 恢婢无膜材群+涅泉材群+憬泉材群 /莽材群×100%シ 2 鸵炆敖莠米搯抓涅肾滋初

脾树 滇篷涅肾招阮 肾澳簇纒铼 纒唛泻蚰岳 并蛭阮 疋 纒唛泻蚰岳= 肾旦纒唛铼-肾番纒唛铼 /肾旦纒唛铼×100%シ 3 鸵炆敖莠米搯无拯旦盾无拯番 1 傲射抓余莠盗啾 茹里瘴暇啾稻盾空番桎痒シ铼招旭合合合兜瘴蹟谏蛭钉澳铼 铐 nationalinstitutesofhealthstrokescale,NIHSS 桎痒桎濒米搯抓余莠盗啾雍迫洼辆 莽痒 0~42 痒 痒群犒跳碧筠余莠盗啾 雍迫洼辆犒熬铼シ铼招 Barthel 脾群桎濒米搯抓茹里瘴暇啾 稻 莽痒 0~100 痒 痒群犒跳碧筠茹里瘴暇啾稻犒榴シ铼招水 刨刃杆笠番铼铐 Glasgowoutcomescale,GOS 桎濒米搯抓笠番 婉椿 1~5 芜爵龄 1~5 痒 痒群犒跳碧筠笠番笱笱シ 4 鸵炆敖 莠米搯无拯旦盾无拯番 1 傲射抓尧只好近忘俐シ铼蜡敖莠米 搯抓谕嗅蟻蚕纒 衰氯及枣垛纒泻 蔽铼吩冲吱飞蚝坞肃仙唛 咒猴筒好近-α tumornecrosisfactor-α,TNF-α 注苻调苯苳-6 interleukine-6,IL-6 注苻调苯苳-2 interleukine-2,IL-2 忘 俐シ 5 鸵炆敖莠米搯抓立多只多瘴婉椿シ泣多只滇篷墨梳 玳纒纒口矮讷销 嗉讷忘シ

### 1.5 芥杪警幼坞

铼招 SPSS21.0 芥杪警颀弊痒拭群葡 杪群喧扰招 n/% 纒 惚 招  $\chi^2$  肃爵 杪铼喧扰招  $x! \pm s$  纒惚 招 t 肃爵 蔽  $P<0.05$  八 芳临踏悒芥杪警抹霸シ

## 2 苻嗜

2.1 敖莠米搯无拯番 1 傲射抓扒镰拯泉鸵炆校爵莠抓无 拯痒憬泉岳八 95.45% 跳绑爵毅莠抓 81.82% 芳临踏悒芥杪 警抹霸  $P<0.05$  纒 1 シ

2.2 敖莠米搯抓涅肾滋初脾树鸵炆校爵莠抓涅肾招阮 玳 ICU 并蛭阮疋亨绑爵毅莠 肾澳簇纒铼俊绑爵毅莠 纒唛泻蚰 岳跳绑爵毅莠 芳临踏悒芥杪警抹霸  $P<0.05$  纒 2 シ

2.3 敖莠米搯无拯旦盾无拯番 1 傲射抓 NIHSS 甲Barthel 脾群 甲OS 桎痒鸵炆无拯旦 敖莠抓 NIHSS 甲Barthel 脾群 甲OS 桎痒鸵炆 芳临踏芥杪警抹霸  $P>0.05$  无拯番 1 傲射 敖莠 抓 NIHSS 桎痒宏蚘病 Barthel 脾群 甲OS 桎痒宏蝶跳 安校爵 莠卞绑爵毅莠 芳临踏悒芥杪警抹霸  $P<0.05$  シ琦纒 3シ

2.4 敖莠米搯无拯旦盾无拯番 1 傲射抓尧只好近忘俐鸵

表 1 两组患者治疗后 1 个月的临床疗效比较(n%)

组别	例数	基本治愈	显效	有效	无效	总有效率
试验组	44	15/34.09	15/34.09	12/27.27	2/4.55	95.45
对照组	44	10/22.73	13/29.55	13/29.55	8/18.18	81.82
$\chi^2$	—	—	—	—	—	4.062
P	—	—	—	—	—	<0.05

表 2 两组患者的手术相关指标比较(x±s)

组别	例数	手术用时 (h)	术中出血量 (ml)	血肿清除率 (%)	ICU 住院时间 (d)
试验组	44	1.47±0.32	36.09±5.20	91.30±3.15	8.59±3.01
对照组	44	2.65±0.43	275.64±6.71	76.02±6.97	15.44±2.69
t	—	14.603	187.182	13.251	11.256
P	—	0.000	0.000	0.000	0.000





## 顿摠染援

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