

Bengbu

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The clinical data of 41 [patients](#) with [intracranial aneurysms](#), which were performed in LVIS [stent assisted coiling](#) endovascular therapies from June 2015 to October 2017 in The First Affiliated Hospital of [Bengbu Medical College](#) were analyzed retrospectively. 13 patients were [unruptured intracranial aneurysm](#) and 28 patients were [ruptured intracranial aneurysm](#). Immediate [angiography](#) outcomes and follow-up angiography outcomes were assessed by [DSA](#). [Clinical outcomes](#) were evaluated by [modified Rankin Scale](#) (mRS).

The LVIS [stents](#) were successfully delivered in 39 cases, however there were 2 cases in which the LVIS stents did not fully open. The technical success rate was 95.1%(39/41). There were 2 cases had complications during perioperation, the rate of complications was 4.9%(2/41). One was [thrombus](#) formation in operation, there was no nerve function defect. The other was [infarction](#) three days after operation and which had mild function defect (mRS grade 2). [Raymond Roy occlusion classification](#) grade 1 was 31 cases, Grade 2 was 2 cases, grade 3 was 8 cases, the effective [embolism](#) rate was 80.5%(33/41). Mean follow up time was 14.4 months, 32 cases were cured, the cure rate was 78.0%(32/41), 2 cases were reappeared, the recurrence rate was 4.9%(2/41). mRS grade 0 was 16 cases, grade 2 was 24 cases, grade 2 was 1 case, the cure rate of clinical symptom is 100%.

LVIS stent-assisted coiling is safe and effective in the treatment of [cerebral aneurysms](#)¹⁾.

¹⁾

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