

11th INTERNATIONAL CONFERENCE ON
CENTRAL NERVOUS SYSTEM

April 27, 2022 | Webinar

Received Date: 16 April, 2022 Accepted Date: 20 April, 2022 Published Date: 05 May, 2022

Angioplasty alone versus Acute Stenting for acute tandem occlusions due to internal carotid artery atherosclerotic

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Various studies have demonstrated the benefit of endovascular treatment in patients with acute anterior tandem occlusions (TO). Consider for imminent reocclusion or recurrent embolization after successful mechanical thrombectomy, some interventionists advocate for acute extracranial ICA stenting. For that reason, others adopt to perform only balloon dilatation because of several potential concerns regarding technical complexity, hyperacute in-stent thrombosis, and the risk of symptomatic intracranial hemorrhage (ICH) owing to double antiplatelet regimen-especially in few severe cases with low ASPECTS scores and rtPA on board. At the same time, the etiology of internal carotid occlusion (some were atherosclerotic disease and other cases were arterial dissection) was heterogeneous in these retrospectives, observational cohort studies. Patients with cervical dissection must be managed differently from those with atherosclerotic disease.

Hence a multicenter, retrospective cohort study was performed, aiming to investigate the differences in effectiveness and safety between balloon angioplasty alone and acute stenting using propensity score matching (PSM) analysis in acute tandem occlusions (TO) owing to internal carotid artery atherosclerotic disease.

Recent Publication

1. Predictive value of the THRIVE score for outcome in patients with acute basilar artery occlusion treated with thrombectomy. Beilei Chen, Liu Yang, Jing Hang, Shoujiang You, Jun Li, Xiaobo Li, Liangzhu Wang, Li Jiang, Wei Li, Hailong Yu Brain Behav. 2019 Oct;9(10):e01418. doi: 10.1002/brb3.1418. Epub 2019 Sep 26.
2. Management of acute tandem occlusions: Stent-retriever thrombectomy with emergency stenting or angioplasty. Wei Li, Zhonglun Chen, Zheng Dai, Rui Liu, Qin Yin, Huaiming Wang, Yonggang Hao, Yunfei Han, Zhongming Qiu, Yunyun Xiong, Wen Sun, Wenjie Zi, Gelin Xu, Xinfeng Liu J Int Med Res. 2018 Jul;46(7):2578-2586. doi: 10.1177/0300060518765310. Epub 2018 May 4.

Biography

Wei Li was born on 28th February 1985 in China. He completed M.D and works as an Interventional Neurologist in the First Affiliated Hospital of Hainan Medical University, Haikou, China.

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