



Chinese Medicine Wushen Xingnao Pill Breaking through in the Therapeutical for Ischemic Stroke

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Clinical Image

Stroke is great challenge to human health. Blood Brain Barrier (BBB) and neuroregeneration is the key of stroke treatment. WuShen XingNao Fan (WSXN) composed of Ginseng Radix, polygonum multiflorum and ginkgo leaf, has been made into dropping pill available for clinical stroke.

- Break through BBB and Brain Targeting

WSXN reversibly open the BBB by activating adenosine receptor and phosphorylating the BBB related protein, greatly increase the bioavailability of ginsenosides and ginkgolide through the BBB into the brain tissue, as much as 2~8 times. Orally dosing 40, 80 mg/kg of WSXN for 7 or 14 days can significantly reduce ischemic infarction area >35% in MCAO rats and promote the neurogenesis and vasculogenesis (Figure 1).

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Figure 1: Before the administration of WSXN.



Figure 2: After the using WSXN for 5 month.

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Clinical volunteers orally take WSXN pill 0.35 g per time, three times a day, for 2~6 months can eliminate sequela hemiplegia and improve the movement disorder of the stroke patients. Before the administration of WSXN pill, Mr Qiu cannot step over a 3 cm doorsill

and need others help, But he can easily step over a 3 cm high doorsill by himself after he take WSXN for 5 month (Figure 2).

Keywords: Stroke; Blood brain barrier; Neurogenesis; Chinese medicine