Encephalo-myo-synangiosis

EMS (encephalo-myo-synangiosis) procedure is an indirect method of revascularization in which the temporalis muscle on the side of the head, is dissected and, through an opening in the skull, is placed onto the surface of the brain. Over time, new vessels form between the blood-rich muscle and the brain.

EMS (encephalo-myo-synangiosis) is another indirect bypass operation. The temporalis muscle, which is in the temple region of the forehead, is dissected. Then, through an opening in the skull, the muscle is placed on the surface of the brain. Like the EDAS, 6-8 weeks are required for a new blood supply to develop from the transposed muscle.

Also, variations of the technique of encephalo-myo-synangiosis for MoyaMoya disease patients allow additional blood supply to the brain hemispheres ¹⁾.

1)

Mehdorn HM. Cerebral revascularization by EC-IC bypass-present status. Acta Neurochir Suppl. 2008;103:73-7. Review. PubMed PMID: 18496948.

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