CLINICAL STUDY TO BRIDGE PERIPHERAL NERVE DEFECT WITH FETAL NERVE IMPLANTED ACCEPTOR'S SC

YI Xi-nan, ZHANG Cao-yue, WU Song, et al.
(Department of Human Anatomy, Hainan Medical College, Haikou 571101, China)

[ABSTRACT] Objective: To investigate the novel methods to graft peripheral nerve defect and determined the effect of fetal nerve and SC on promoting nerve regeneration. Methods: 32 patients (include 45 nerve stumps) were bridged with fetal nerve implanted acceptor’s SC clinically. Functional assessment after operation one year and follow investigation during one to three years were accomplished. Results: According to Seddon’s method of estimate function of repairing peripheral nerve, excellence and favorable function comeback ratio reached to the 65.8%. Conclusion: The fetal nerve implanted acceptor’s SC is a novel graft to bridge the defect of peripheral nerve and should be more research clinically.

[Key words] Fetal nerve, Schwann cells, Peripheral nerve repair