

Sutures of fibrin glue for divided rat nerves. Schwann cell and muscle metabolism.

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Publication Date: 1984

Abstract:

A comparative study using ³²P-labeling techniques on Schwann cell and skeletal muscle metabolism after repair of divided rat sciatic nerve by anastomosis with either microneurosurgical sutures or fibrinogen tissue adhesive shows no significant difference between the two repair modes. The successful measurement of functional muscle regeneration in the experimental study of nerve repair techniques is still hampered by the absence of definitive functional and physiologic criteria, despite an apparent normal anatomic restitution of the muscle.