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JOURNAL ARTICLE

Tubulovasostomy in the rat. A new experimental model

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Tubular patency is the primary concern in the evaluation of procedures for epididymovasostomy. The epididymal lumen easily becomes occluded or obstructed, with the resulting recurrence of azoospermia. Recently, two-layer direct anastomosis has been advocated. The aim of the present study was to present an experimental model of tubulovasostomy in the rat. Microsurgery was performed in 18 rats (16-40 X magnification). Suture material used was 11/0 Vycryl or nylon for the internal layer of the anastomosis and 10/0 Ethilon for the external layer. After 6 and 12 weeks, semen samples were obtained by electroejaculation and evaluated for sperm count and motility.

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