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JOURNAL ARTICLE

Bromocriptine in the management of infertile men after surgery of prolactin secreting adenomas

A. Mancini, A. Guitelman, O. Levalle, N. Aparicio and G. Aszenmil

This study evaluated bromocriptine treatment in nine patients with prolactin secreting adenomas who continued to have elevated circulating levels of prolactin after surgery, and who were interested in improving their sperm counts. These patients were brought into the study 3.2 +/- 1.8 years (mean +/- SD) after surgery. All of them presented with high circulating levels of prolactin, and eight of the patients had oligozoospermia (range 0-10 X 10⁽⁶⁾ spermatozoa/ml). LH and testosterone levels were low in seven patients, and eight patients had low FSH values. All patients were treated for 90 days with 7.5 mg/day of bromocriptine. After treatment, prolactin levels decreased significantly in all patients, while sperm counts increased significantly in five of them. Testosterone levels increased in four subjects. Bromocriptine therefore seems useful in the management of this type of patient because of the observed decline in prolactin levels and the increase in sperm counts. Possible mechanisms involved in this action are discussed.

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