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Tamsulosin impairs bulbospongiosus muscle (BS) contractions induced by central injection of 8-hydroxy-2-(di-N-propylamino) tetralin (8-OH-DPAT) in anaesthetised rats while alfuzosin does not.

Giuliano F.¹, Bernabé J.², Laurin M.², Droupy S.¹, Benoît G.¹, Alexandre L.², Clément P.²

¹Hôpital Kremlin-Bicêtre, Urology, Paris, France; ²Pelvipharm Laboratories, R&D, Gif-sur-Yvette, France
Ejaculation consists of two distinct phases, emission and expulsion. Forceful expulsion of spermatozoa is a consequence of rhythmic contractions of the bulbospongiosus muscle (BS) and is reflected by the area under the curve (AUC), which represents the energy of muscular activity (amplitude and duration). Consistent and rhythmic contractions of BS were observed after intracerebroventricular (i.c.v.) delivery of 8-hydroxy-2-(di-N-propylaminomethyl) tetraline (8-OH-DPAT) in urethane-anaesthetised adult Wistar rats. The effect of five doses (0.3, 3, 10, 30, and 90 µg) of 8-OH-DPAT (i.c.v.) on BS activity were tested. Consistent and rhythmic contractions of BS were observed after i.c.v. delivery of 8-OH-DPAT in urethane-anaesthetised adult rats. The effect of five doses (0.3, 3, 10, 30, and 90 µg) of 8-OH-DPAT (i.c.v.) on BS activity were tested. The dose-dependent effect of 8-OH-DPAT on BS activity was observed after i.c.v. delivery of 8-OH-DPAT in urethane-anaesthetised adult rats. The effect of five doses (0.3, 3, 10, 30, and 90 µg) of 8-OH-DPAT (i.c.v.) on BS activity were tested. The dose-dependent effect of 8-OH-DPAT on BS activity was observed after i.c.v. delivery of 8-OH-DPAT in urethane-anaesthetised adult rats. The effect of five doses (0.3, 3, 10, 30, and 90 µg) of 8-OH-DPAT (i.c.v.) on BS activity were tested. The dose-dependent effect of 8-OH-DPAT on BS activity was observed after i.c.v. delivery of 8-OH-DPAT in urethane-anaesthetised adult rats.