

EFFECTS OF MICROINJECTION OF GABA INTO SUBSTANTIA NIGRA RETICULATA ON THE UNIT DISCHARGES OF NIGRAL NEURONS IN RATS

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The effects of microinjection of GABA (0.2 μ l, 1M) into the substantia nigra reticulata (SNR) on the unit discharges of Type I and Type II neurons in the substantia nigra (SN) of rats were observed. The results showed that^[1] the spontaneous discharge rate of 17/25 Type I neurons were decreased by 88.41%—100.00% ($96.62\% \pm 4.01\%$, $\bar{x} \pm s_x$) after SNR injection of GABA^[2] the spontaneous discharge rate of 27/36 Type I neurons were also decreased by 43.56%—99.35% ($78.69\% \pm 10.13\%$). The results indicated that SNR injection of GABA can inhibit both Type I and Type II neurons in SNR.

Key words: substantia nigra; GABA; Type I neurons; Type II neurons; unit discharge

安宫牛黄丸的临床应用

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安宫牛黄丸出自清朝《温病条辨》一书,由多种名贵中药组成。确系中医临床的急救药。其功能足,清热解毒,豁痰开窍。

适用于:(1) 温热病(如急性传染病流脑、乙脑、中毒性痢疾及感染性昏迷等),邪热炽盛热入心包,痰热蒙闭清窍,病人表现神昏,高热,谵语等症者。(2) 中风(脑血管意外),癫痫。小儿惊厥属于痰热蒙闭清窍,患者表现突然昏倒,牙关紧闭,颜面潮红,呼吸气粗,痰声曳锯,烦躁不安,舌红,苔黄厚腻,脉弦滑数者,本品为清热开窍的苦寒之剂,专用于治疗热闭神昏。

若神昏系寒湿痰浊蒙闭心窍而致,病人表现神昏,痰涎壅盛,静而不动,四肢欠温,舌苔白腻,

脉沉滑缓,当用辛温开窍法,可选用苏合香丸服用;若神昏系元气极度衰微,阴阳有离决之势的脱证,患者神志不清,呼吸微弱,目合口开,手撒遗尿,冷汗淋漓,四肢厥冷,大便失禁,脉微欲绝时,应用回阳固脱法,服参附汤急救。

总之,神昏的病人不一定都用安宫牛黄丸,安宫牛黄丸仅是凉开法中的一种中成药,用之对证,效如桴鼓,用之不当,反而有害,易生他患,敬请慎之。本品用于急救,除严格掌握适用的证候外,对于用药剂量,剂型和给药途径,均应在医生指导下决定和选用。

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