

ABSTRACT

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Title of diploma thesis: The hypothalamic – pituitary – gonadal axis and epilepsy: mutual relationships

The content of the diploma thesis is an overview of the anatomy and physiology of the hypothalamic-pituitary-gonadal axis (HHG). Further chapters are devoted to the influence of epilepsy on HHG function, the effect of HHG hormones on epileptic activity itself. The effect of anti-epileptics on HHG functions will also be elucidated. The second part of the diploma thesis deals with separate chapters – catamenial epilepsy and epilepsy during pregnancy.

Keywords: antiepileptic drugs, gonadotropin, hypothalamic-pituitary-gonadal axis, prolactin, sex hormones, temporal lobe epilepsy.