

ABSTRACT

Charles University, Faculty of Pharmacy, Hradec Králové

Department: Department of Pharmacognosy

Head of thesis: doc. PharmDr. Lenka Tůmová, Csc.

Student: Bc. Rut Luňská

Title of the thesis: Teratogenic drugs

The aim of this diploma thesis is to give an overview of teratogenic drugs. The work approaches the problems of teratogenesis, factors affecting teratogenicity, distribution of teratogens, classification of medication in pregnancy and methods of teratogenicity study. An overview of teratogenic plants broken down by family with manifestation of teratogenicity and substances responsible for teratogenicity is given here. Most teratogenic plants were found in the Fabaceae, Compositae and Lamiaceae families. Alkaloids and terpenes are most often responsible for teratogenic effects. In addition, the work focuses on the negative effects of cannabis, tobacco smoking and caffeine on the course of pregnancy.

Keywords: teratogen, medicinal plant, drug, pregnancy