

Téma diplomové práce	Modern approaches to breast cancer treatment
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Jméno oponenta	PharmDr. Martina Čečková, Ph.D.

II. Posudek oponenta

The diploma thesis "Modern approaches to breast cancer treatment" is written on 64 pages and includes 10 figures and 4 tables.

The work is very well structured, it reviews not only the treatment strategies of breast cancer, but comprises also broader problematics of the disease by describing the etiology, signs, classification, genetics, screening, prognosis and diagnosis of breast cancer. The thesis contains up-to-date information; it refers to more than 60 scientific articles, all of them being published during last 5 years. I especially appreciate that the thesis also includes the latest approaches, which have been most recently tried for the treatment of breast cancer.

Regarding the formal point of view I have no crucial criticism.

Nevertheless, I would have a few comments and questions:

1. The numbering and descriptions of the tables should be placed above the tables not under them as it is common in figures.
2. The author discusses precisely the types of chemotherapy of breast cancer, however, the multidrug resistance (MDR) is mentioned just marginally. Do you know which mechanisms are mainly responsible for this phenomenon? Are there any approaches of overcoming the MDR?

The work fulfills all the requirements set for the diploma theses, therefore I suggest accepting the thesis with excellent classification.

Navrhovaná klasifikace **excellent**

V Hradci Králové dne 24.5.2009

Podpis oponenta diplomové práce