

Téma diplomové práce	<b>Resting Energy Expenditure During Lactation</b>
Jméno studenta, studentky	<b>Martina PLACHA</b>
Jméno oponenta	<b>PharmDr. Petr Jílek, CSc.</b>

## II. Posudek oponenta

The diploma thesis "Resting Energy Expenditure During Lactation" is written on 82 pages and includes 32 graphs, and 36 tables.

The work is well structured; it reviews concisely questions of the energy exchanges and different ways of its description. The theoretical part contains up-to-date information; it refers to well chosen 30 articles.

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

Nevertheless, I would have a few comments and questions:

1. You have evaluated 24 women in 5 periods. In the longitudinal comparison of results you express the average values (e.g. graph. 13 etc.) showing some trends. Are the trends applicable to all women or there are subjects with different courses of her values?
2. How you explain the discrepancy between you results and results of other authors (no international finding – just your finding are international!) in case of Respiratory quotients?
3. You correlate REE measured and REE (%). One can suggest that both parameters express the same data, only formally changed. Nonetheless, the correlation coefficient is not 1, why?

The paper fulfills all the requirements set for the diploma theses, therefore I suggest accepting the thesis for further acts.

Navrhovaná klasifikace **excellent**

V Hradci Králové dne 26.5. 2010

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Podpis oponenta diplomové práce