

**CHARLES UNIVERSITY IN PRAGUE**  
**FACULTY OF PHARMACY IN HRADEC KRALOVE**  
Department Social and Clinical  
Pharmacy

**Review of diploma thesis**

Student: **Mavrovouniotis Konstantinos**

Mentor of the thesis: Prof. RNDr. Jiří Vlček, CSc.,

Year of the defence:

Reviewer of the thesis: PharmDr. Eva Zimčíková, Ph.D.

2016

Title of diploma thesis:

**The analysis of pharmacotherapy in patients suffering from hyperlipidemia**

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Formal comments: number of pages: 70, number of graphs: , number of figures: 18,  
number of tables: 26, number of references: 32

Type of work: Experimental

- a) Aim of the thesis is: Fulfilled
- b) Language and graphic level: Good
- c) Processing of theory: Very good
- d) Methods description: Good
- e) Results description: Very good
- f) Discussion and conclusions: Good

Reviewer comments: The thesis tried to assess pharmacotherapy of hyperlipidemia in Greece. In theoretical part of the thesis all groups of drugs that are used as hypolipidemics were included. Pharmacological profile of these drugs, doses, main adverse events are to be found there. I would expect also some therapeutic guidelines for treatment of hyperlipidemia which are not mentioned. Literature references are often missing, electronic data sources were not cited in a proper way. Grammar revision would be appropriate. Experimental part of the thesis counts only 21 pages. The data for analysis were obtained via questionnaire survey. Basic characteristics of the patients, drugs used to treat hyperlipidemia and patients' views were analyzed. "Selected patients were asked to provide information about their body weight and results are presented as Basal Metabolic Index (BMI) in order to determine the association of obesity to hyperlipidemia" (you probably mean Body Mass Index and data were obtained for the whole group of patients). In Table 25 there is wrong total number of patients, only data for statins are presented ( $n = 76$  instead of 78). According to the risk factors included either in theoretical part or in experimental part (e.g. Table 16) of the thesis it is not always clear to which disease or conditions there are related to. Discussion provides summary of main results and main limits of the study are mentioned. However no broader consequences were presented and discussed. There is no conclusion at the end of the thesis.

Questions:

1. Which hypolipidemics can be used in pregnancy?
2. Is it even possible to evaluate the effectiveness of treatment of hyperlipidemia by using this method? (All the information was provided by the patients - do they really know lipid levels in blood?)

3. How was the questionnaire constructed? (Based on literature search? Was the questionnaire used in other studies?) Did the patients fill in the questionnaire alone or during an interview?
4. The majority of the patients (61.5%) were obese and the 30.8% of patients were overweight - is it comparable with general population in Greece?

**Evaluation of diploma thesis: Good, to defense: Recommended**

In Hradec Kralove 16.5.2016

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