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III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

The presented thesis represents an excellent contribution to the current state of knowledge in the field. The author and his supervisor are to be commended for their scientific and methodological rigor and originality of thought. I very much appreciate the value of presented results in clinical practice and experimental research. In future, I advise the author to validate his results on a larger patient population with definite histopathological diagnosis of MCD. Also, I would recommend the author to consider using a more detailed language editing.

Questions:
What was the most significant technical limitation of the provided recordings and how could these be overcome in clinical practice?

I evaluate handed thesis with classification grade **A - excellent.**

Date: **3.6.2019**   Signature:

I. IDENTIFICATION DATA

Thesis name:	High Frequency Oscillation Analysis inMalformation Cortical Development Patients.
Author's name:	Martin Dostál
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Radio Engineering
Thesis reviewer:	Barbora Beňová
Reviewer's department:	2nd faculty of medicine, Charles University; Motol University Hospital

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**extraordinarily challenging**

Evaluation of thesis difficulty of assignment.

The selected topic is subject of intensive study in the field of clinical and experimental epileptology. The author has selected multiple challenging aims in order to contribute to the current state of knowledge.

Satisfaction of assignment	**fulfilled with minor objections**

Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

Due to limited number of patients and limited data on histopathological diagnoses, the author was unable to completely fulfill the aim of making the distinction between FCD types.

Method of conception	**outstanding**

Assess that student has chosen correct approach or solution methods.

The methods used are appropriate for the selected aims of the study.

Technical level	**A - excellent.**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

Formal and language level, scope of thesis	**C - good.**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

Unfortunately, author´s use of English represents the weakest point of an otherwise outstanding thesis. In future, author´s writing might benefit from a more detailed language editing.

Selection of sources, citation correctness	**A - excellent.**

Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

The citations are correctly labeled and clearly distinguishable from the author´s own ideas. The literature and other sources were selected appropriately and are sufficiently extensive.

Additional commentary and evaluation	

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

The thesis represents an excellent contribution to the current state of knowledge in the field of both clinical and experimental epileptology. In future, the presented findings warrant validation on a larger patient population.