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**Referring to: V/92/14 Oponentský posudek – Nemravová/214 –  
Gerlichová**

Dear colleagues,

I am honoured by your invitation to assess the doctoral dissertation of Mgr.Markéta Gerlichová and expound as follows:

**Relevance of the chosen topic to the current scientific situation  
*k aktuálnosti zvoleného tématu***

As music therapy began in the fields of psychiatry and paediatrics neurological approaches are still relatively rare in music therapeutic contexts. Nevertheless clinical practice as well as international research, not at least referring to the impact of music on neuropasticity, revealed significant neuro-rehabilitative effects of music therapy. Consequently neurological music therapy has become a flourishing and highly important domain. Thus the dissertation is of high relevance for current music therapy and represents an important contribution to modern complementary medicine.

**Accomplishment of the dissertation's scientific goals  
*zda disertace splnila stanovený cíl***

The dissertation reaches up to high international standards and satisfies the conditions of the target. On the basis of a complex description of the variety of pathological processes or brain traumata interdisciplinary concepts of therapy are discussed. According to modern standards in neuro-rehabilitation both the biological factors as well as the individual aspects of life quality become crucial criteria. Especially the intertwining medical and psychological approaches reveal specific music therapeutic characteristics and proof consequently the dissertation's hypothesis.

**Chosen research methods of the dissertation**  
***ke zvoleným metodám disertace***

The study is based on a relatively big sample of 100 patients and a very precise quantitative empirical methodology. The way of gaining relevant data follows high contemporary standards, the research design tallies with scientific requirements as well. From a mathematical and statistical viewpoint application of further tools for data-processing would have lead perhaps to even deeper insights. Application of advanced mathematical methods, however, is also in medical research of highest reputation relatively seldom. The heuristic interpretation of data is very clear and concise and shows the high ability of the candidate to read codes that represent physical and psychic realities. Throughout the dissertation scientific methods have been chosen in a very adequate way.

**Scientific results and proofs leading to new insights**  
***k výsledkům disertace a uvést, jaké nové poznatky přinesla***

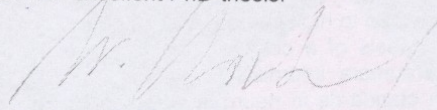
The PhD thesis proves various previously mentioned clinical observations and hypotheses: the assumption of complex positive effects of music therapy in neuro-rehabilitation. This dissertation clarifies in a scientific way those earlier observation-based propositions and shows distinctive effects on motor-rehabilitation, communication skills, self-awareness, positive attitudes towards life and a significant improvement of life quality as subjectively assessed by the patients themselves. In this regard the main value of the dissertation is given by the scientific clarification and proof of music therapeutic results in neuro-rehabilitation.

**Relevance for social practice and further scientific progress**  
***k významu pro společenskou praxi nebo pro další rozvoj vědy***

The question about relevance for social practice and scientific progress can be easily answered. In this PhD-thesis the objective and subjective benefits of music therapy in neurological patients have become obvious, the research itself may represent an important step for further progress of music therapy in neurology.

**General estimation of scientific levels and PhD-standards**  
***zda disertace splňuje podmínky kladené na tato řízení***

The dissertation fulfils all requirements of a high ranking scientific research and can be assessed as best practice. An excellent PhD-thesis.



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