

Charles University – First Faculty of Medicine
Postgraduate doctoral study in Biomedicine

Record of the defence of the dissertation

Date and place of the defence: *16th March 2017 at 10:00 a.m. at the Institute of Physiology the 1st Faculty of Medicine and General University Hospital, Albertov 5, Prague 2.*

Doctorand's surname and first name: *Shiann-Guey Yang, MD*

Title of the dissertation:

„Selected differences in pathophysiology of cardiovascular system in women.“

Supervising Tutor's surname, first name, titles and institution:

Prof. MUDr. Otomar Kittnar, CSc., MBA; the Institute of Physiology the 1st Faculty of Medicine and General University Hospital

Field of doctoral studies: *Human Physiology and Pathophysiology*

Form of doctoral studies: *combined*

Date of commencement of doctoral studies: *1st October 2010*

Record of the ballot by members of the Board on Defence of Doctoral Dissertation:

Number of all Board members 19

Number of Board members present 13

Ballot papers returned for 10, against 0, invalid 3
(ballot papers must be enclosed)

Names of scrutineers (at least two members of the Board on Defence):

Prof. Dr. F. Voldar
Prof. Dr. B. Orsáňal

Examiners' surnames, first names, titles and institutions:

doc. MUDr. Petr Ošťádal, Ph.D.
Na Homolce Hospital

doc. MUDr. V. Danzig, Ph.D.
2nd Department of Medicine - Department of Cardiovascular Medicine, First Faculty of
Medicine, Charles University and General University Hospital in Prague

Surnames, first names, titles and institutions of all members of the Board on
Defence incl. the Examiners, with signatures of all members present:

prof. MUDr. J Pokorný, DrSc. – předseda
Prof. MUDr. R. Češka, CSc.....
Prof. MUDr. P. Gregor, DrSc.....
Prof. RNDr. V. Hampl, DrSc.
Prof. MUDr. J. Herget, DrSc.
Prof. MUDr. M. Vízek, CSc.....
Prof. RNDr. F. Kolář, CSc.....
Prof. MUDr. M. Kvapil, CSc.
Doc. MUDr. J. Mareš, CSc.
Prof. MUDr. P. Mareš, DrSc.
Doc. MUDr. D. Marešová, CSc...
Prof. MUDr. E. Nečas, DrSc.
Prof. MUDr. B. Ošťádal, DrSc.
Prof. MUDr. R. Rokyta, DrSc.
Prof. MUDr. RNDr. L. Stárka, DrSc
Prof. MUDr. V. Tesař, DrSc.
Prof. MUDr. A. Žák, DrSc.
doc. MUDr. Petr Ošťádal, Ph.D., FE
doc. MUDr. V. Danzig, Ph.D. - exan

Process of the defence:

(Including evaluation of student's answers, in the case of unsatisfactory answers provide detail description)

prof. Pokorný, led the "Opponents' review" of prof. Ošťádal and asked Dr. Yang to answer
Dr. Yang answered both questions satisfactorily.
prof. Pokorný, asked for the opinion of Dr. Yang, on possible sex differences in cardiovascular functions
which may occur before puberty - Dr. Yang named some of those clinical differences
prof. Ošťádal asked on the hormonal replacement therapy of Turner oval its possible adverse effects
Dr. Yang accepted those side-effects, however he mentioned that such therapy is widely used
prof. Gregor asked on the occurrence of ventricular arrhythmias and their dependence on estrogen level
Dr. Yang gave several clinical examples on the manifestation of such relation
Closed session - voting

Result of the defence: passed - failed

Surname, first name, title and signature of the Chairperson of the Board on Defence:
prof. MUDr. J Pokorný, DrSc.

I was informed of the result of defence.

Student's signature

date: