

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

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**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**

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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):

RNDr. Du. F. Vodář  
RNDr. Du. B. Ořechová

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)

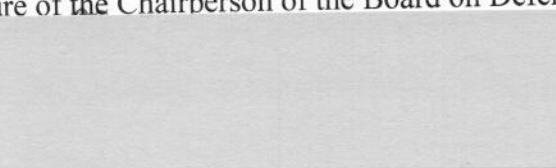
..... prof. Pokorný led the "Opponents' review" of prof. Ošťádal and asked Dr. Yang to answer  
..... Dr. Yang answered both questions satisfactorily  
..... prof. Pokorný asked for the opinion of Dr. Yang on possible sex differences in circulatory functions  
..... which may occur before puberty - Dr. Yang named some of those diurnal differences  
..... Prof. Ošťádal asked on the Hormonal replacement therapy of Taiwan and 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: .....