Cardiac Electrophysiology as a Basic Property of Cardiac Function
(compulsory elective subject)
Supervisor: Prof. Dr. András Varró

2016/17 II.semester

Web site: http://www.szote.u-szeged.hu/phcol/index_a.htm

Date: Monday 17-18.30 **Place: Lecture Hall of Dept. Surgery**

		Topic:	***Lecturer:***
1.	02.06	Introduction.	Dr. András Tóth Dr. Norbert Jost
2.	02.13	Basic principles of electrophysiology, the impulse propagation in the heart I.	Dr. András Tóth
3.	02.20	Basic principles of electrophysiology, the impulse propagation in the heart II.	Dr. András Tóth
4	02.27	The action potential of myocytes and the ionic channels determining the action potential I.	Dr. Norbert Jost
5.	03.06	The action potential of myocytes and the ionic channels determining the action potential II.	Dr. Norbert Jost
6	03.13	Electro-mechanical coupling in the heart I.	Dr. András Tóth
7.	03.20	Electro-mechanical coupling in the heart II.	Dr. András Tóth
8.	03.27	Methods and techniques in cardiac electrophysiology	Dr. Norbert Jost
9.	04.03	The mechanism of developing cardiac arrhythmias	Prof. András Varró
10.	04.10	Genetic background of ion-channel disturbances in the heart; cellular basis	Dr. Balázs Ördög
11.	04.17	**Human genetics of ion channel disturbances in the heart**	**Dr. Róbert Sepp**
12.	04.24	**Investigational techniques and non-pharmacological treatments of human rhythm disturbances**	**Dr. Róbert Pap or Dr. László Sághy**
13	05.01	BREAK	
14.	05.08	Practical. Investigational techniques in cardiac cellular electrophysiology	Dr. Norbert Jost Dr. András Tóth Dr. László Virág
15.	05.15	Practical and consultation for exam	Dr. Norbert Jost Dr. András Tóth