Postgradual module for residents and trainees

Currently the mandatory resident skills program includes:

The first week focus on the general surgical techniques, with simulated materials such as knot tying, anastomosis principles and practices *ex vivo* and *in vivo*, and conventional organ preparations and intraabdominal operations.

The second week covers minimal access surgery including vital procedures, the use of instruments, eye-hand coordination and intraabdominal manoeuvres.

The third week is dedicated to microvascular microsurgery.

1st week: GENERAL SURGERY

Aims

- To teach basic surgical techniques, instruments and materials.
- To improve dexterity and eye-hand coordination.
- Final aim: the students are going to be able to perform minor surgical interventions, preparation of organs and anastomosis on them.

General surgery - theme

1. day	Computer skill	Instruments, knot tying and basic suture skills (Suture Tutor program)
2. day	Ex vivo Ex vivo	Skin incision, handling surgical bleedings; Minor surgical skills: ellipse excision, epidermoid cyst and lipoma removals (<i>Minor skills program</i>); Drainage; Closing wounds in separate layers; Vascular suture technics;
3. day	In vivo Ex vivo	Endotracheal intubation; Skin incision, handling surgical bleedings, Dissection/ cannulation of veins and arteries; Tracheostomy; Gastrointestinal suture technics;
4. day	In vivo	Laparotomy, appendectomy, splenectomy, bowel anastomosis, stoma; Invasive hemodinamic monitoring;
5. day	In vivo	Thoracic drainage: insertion of chest tube; Thoracotomy Practical test and evaluation;







1. day Skill lab Suture technics in practicing pad













3. day - Student's operating room: Dissection - cannulation of veins and arteries on anesthetized minipig







Blunt preparation



Doubled thred under the vein



Distal and proximal dividing



Opening the lumen



Forcep introducing into lumen



Introducing the catheter



Fixing the catheter



3. day - Student's operating room: Tracheostomy on anesthetized minipig















Evaluation of resident module by participants					
	2008	2009	2010		
Importance of resident practice:					
from aspect of professional practice	4,44	4,81	4,27		
from aspect of manual skils	3,74	4,81	4,33		
from aspect of yours clinical practice in the future	4,33	4,67	4,6		
Utilization of available time	3,77	4,19	3,93		
Your numeric opinion about the lectures	4,26	4,30	4,53		
Your numeric opinion about the practices	3,96	4,57	4,26		
Your numeric opinion about the rate of lectures and practices	3,92	4,54	4,2		
Usefulness of teaching tools, models, computer softwares	4,07	4,108	4,24		

Evaluation of teacher's activity

4,44

4,7

4,46