

Elective Seminar

„Minimal-invasive treatment of cardiovascular disease“

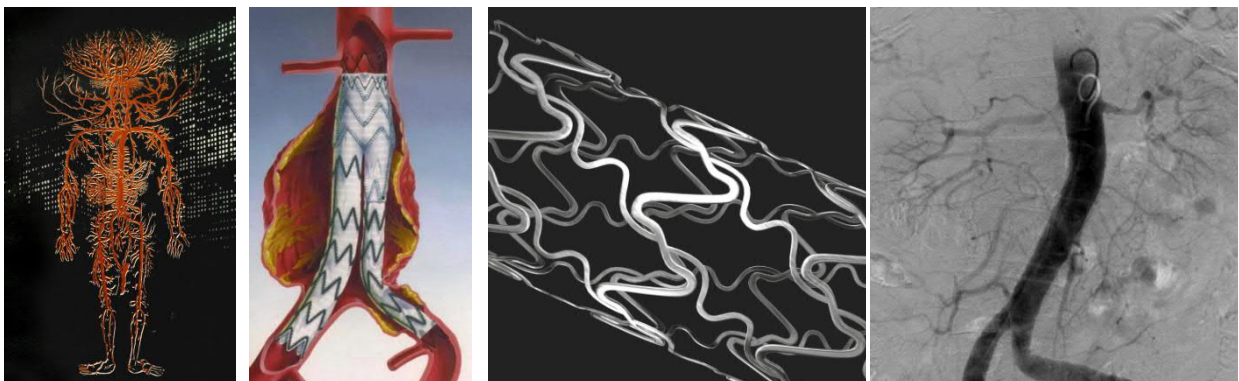
for students of the following subjects:

Technical Physician, Master
Micro Medicine, Master
Medical Diagnostic Technologies, Master
Biomedical Engineering, Master
3 ECTS

Date: Friday and Saturday, March 29th and 30th, 2019

Important: Inscription in FELIX required!
Maximum number of participants: 20.

Language spoken: English



Prof. Dr. med. Nicolas Diehm, MBA
Clinical and interventional angiologist
nicolas.a.diehm@gmail.com

Scientific content

Diseases of the cardiovascular system are among the leading causes of death in the Western world. Thanks to technical improvements, most cardiovascular procedures can today be carried using a minimal-invasive approach.

The medical devices industry offers very interesting job opportunities in a very dynamic setting.

Aim of this seminar is to provide insight into minimal-invasive treatment options of different cardiovascular disease states.

Friday, March 29th, 2019; Start 9:30 a.m.

1st lecture ND	Cardiovascular disease: global importance , risk factors and clinical presentations
2nd lecture ND	History of catheter therapy
3rd lecture ND	Peripheral arterial disease: clinical basics
4th lecture ND	Peripheral arterial disease: drug therapy, surgical and minimal -invasive treatment options 1
5th lecture ND	Peripheral arterial disease: drug therapy, surgical and minimal -invasive treatment options 2
6th lecture ND	Acute limb ischemia: drug therapy, surgical and minimal -invasive treatment options
7th lecture ND	Venous thrombembolism: clinical background
8th lecture ND	Venous thrombembolism: drug therapy, surgical and minimal -invasive treatment options
9th lecture ND	Who is who in the endovascular device industry?
10th lecture ND	Aortic and peripheral arterial aneurysms: clinical background
11th lecture ND	Aortic and peripheral arterial aneurysms: drug therapy, surgical and minimal-invasive treatment options 1
12th lecture ND	Aortic and peripheral arterial aneurysms: drug therapy, surgical and minimal-invasive treatment options 2

Saturday, March 30th, 2018; Start 8:00 a.m.

1st lecture ND	Who is who in the endovascular device industry?
2nd lecture ND	Aortic and peripheral arterial aneurysms: clinical background
3rd lecture ND	Aortic and peripheral arterial aneurysms: drug therapy, surgical and minimal-invasive treatment options 1
4th lecture ND	Aortic and peripheral arterial aneurysms: drug therapy, surgical and minimal-invasive treatment options 2
5th lecture ND	Endovascular therapy of arterial hypertension (renal artery stenting)
6th lecture ND	Endovascular therapy of arterial hypertension (renal denervation)
7th lecture ND	Surgical and endovascular treatment options for varicose veins
8th lecture ND	Endovascular therapy of erectile dysfunction

Exam

1.) Obligatory presence during lectures.

2.) Thesis (topic of individual choice, 6-8 pages, **deadline: May 15th, 2019**, can be submitted by email to nicolas.a.diehm@gmail.com).

Potential topics:

Endovascular therapy of aortic aneurysms
Endovascular therapy of peripheral arterial disease
Endovascular therapy of varicose veins
Endovascular therapy of iliac vein thrombosis
Acquisition of Invatec by Medtronic
Acquisition of Ardian by Medtronic

... or any other minimal-invasive vascular topic of interest to you.

It is okay if you chose the same topic for both the thesis and for the presentation.