

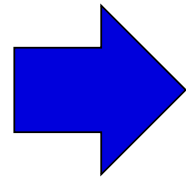
**M U N I
M E D**

Preclinical course (aVLTP05X)

Introduction

Preclinical course: what is it?

- 75h. in the laboratory
- 5 credits
- lectures
- measurements
- paper research
- working with data
- test



- lectures
- paper research
- working with data
- test



Coronavirus

~~measurements~~

Lectures

- Anthropometric parameters (**19.10. – 23.10.**)
- PWV (applanation tonometry)
- PWA (applanation tonometry)
- CAVI and ABI (VaSera)
- Baroreflex sensitivity (photoplethysmography)
- ECHO
- How to work with data

What can I do now?

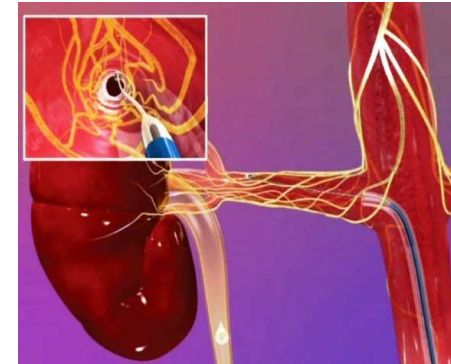
- choose a topic
- start with paper research

Topics

- Renal denervation
- Asthma bronchiale
- Obesity
- Anticancer therapy
- Hormonal contraception

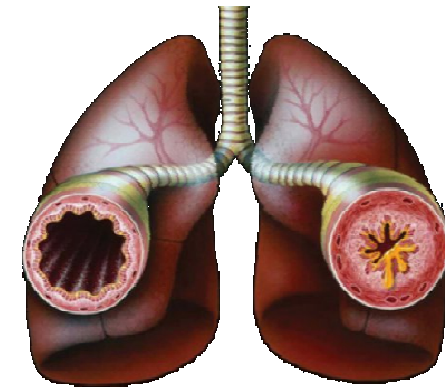
Renal denervation

- elevated blood pressure despite taking three optimally doses medications, typically:
 - a diuretic
 - a calcium-channel blocker
 - an ACE inhibitor
- renal sympathetic denervation: endovascular catheter based procedure using radiofrequency ablation



Asthma bronchiale

- a long-term inflammatory disease of the airways of the lungs
- symptoms:
 - reversible airflow obstruction
 - easily triggered bronchospasms
- medication:
 - Long-term asthma control medications:
 - inhaled
 - leukotriene modifiers
 - combination inhalers
 - Quick-relief (rescue) medications:
 - short-acting beta agonists
 - anticholinergic agents
 - oral and intravenous corticosteroids.



Obesity

- childhood obesity is one of the most serious public health challenges of the 21st century
- alimentary obesity
- one-month stay in children hospital



What else?

- ALL
- Hormonal contraception

Topics

[Link](#)