

# Patient Blood Management

The global need for blood transfusions is increasing due to the growing numbers of surgical procedures with increased bleeding risk and accompanying therapies in tumor diseases. At the same time the supply of blood products is decreasing due to the demographic development and the discrepancies between the number of donors and recipients. Health risks and costs of blood transfusions have a significant economic dimension.

Patient Blood Management (PBM) is a concept strongly recommended by the World Health Organization to be implemented by all Member States in order to avoid unnecessary blood transfusions by utilizing the patient's own reserves. PBM is an interdisciplinary multi-modal and, in particular, patient-oriented bundle concept aimed at the appropriate reduction of transfusion rates in large surgeries and oncological diseases. The Goal is the reduction of transfusion-associated complications and costs both in short-term and long-term perspectives.

## Modules

- > November 2017: Guidelinedes
- > March 2018: Perioperative Bleeding Management
- > June 2018: Volume Monitoring and Infusion Therapy
- > September 2018: Anaemia Diagnostics, Anaemia Correction and Iron Therapy
- > November 2018: In depth seminar: NOAC Management
- > November 2018: In depth seminar: How to publish a paper
- > March 2019: Patient education, cost analyses and societal perspective
- > June 2019: Implementation, motivation, Networking in PBM
- > Research
- > Communication
- > Hospitation – (180 hours)
- > How to compile a case
- > Case Presentation and Discussion
- > Master thesis

## Learning outcomes

The goal of this advanced university training course is to provide medical specialists, in particular from surgical disciplines, anesthesiology, intensive care medicine, internal medicine, lab medicine and transfusion medicine with the new emerging insights and synergies, the resulting new possibilities and application areas of the PBM conceptions and to motivate them for a further implementation of the knowledge and skills acquired in the training course into their studies and into their respective fields of activity and in this context to raise the awareness of the participants for interdisciplinary approaches.

## Target group

The target group for the university course "Patient Blood Management", Master of Science comprises persons with a university degree at least at undergraduate level in the medical field.

## Admission requirements

- Prerequisites for admission to the university course
- > a university degree at least on Bachelor level in the medical field and
  - > appropriate knowledge of English and
  - > successful application process including an application interview.

## Language

English

## Start

November 2017

## Degree

Master of Science – MSc

## Duration

5 semesters, part time

## Course fee

EUR 9,900

grant applications possible

## Information and application

Dr. Christiane Fischer

**Danube University Krems**

Center for Health Sciences

Phone +43 (0)2732 893-3114

christiane.fischer@donau-uni.ac.at

[www.donau-uni.ac.at/pob](http://www.donau-uni.ac.at/pob)

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Subject to alterations.



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