

Outline and recommendations for departments regarding education of perfusionists

To the persons responsible for employing and educating perfusionists at the heart centres.

Each of perfusion trainee departments is recommended to consider employment around 8-10 months before the start at the Scandinavian School of Cardiovascular Technology (SCANSCAT) / Master Education at the University of Aarhus.

The centres expecting to hire a student before start should have in mind the demands for both theory and practice. It must be kept in mind that the future employee will be not only a future perfusionist, but also a university student. On the other hand, there are also certain requirements for the training in practice in order for the student to obtain the title of perfusionist.

The following is an outline of the demands of the school to the departments and the future students:

Structure of the education.

The perfusionist education is comprised of a theoretical and a practical part. The major part of the theory will take place within the Master education in Cardiovascular Technology, offered by the University of Aarhus, but certain theoretical lectures must be carried out at the place of employment.

The Master education is equal to one year of full time study and gives 60 ECTS points. The classes at the Master education are conducted in English and have declared academic as well as professional aims. They are comprised of three different parts: Biomedical Technology and research, Physiology and Treatment, and Perfusion Techniques. The classes are compressed and intensive, and for the most part in the form of normal class lectures. Teaching will take place in Aarhus in 3 modules of each 6 weeks. Performing a scientific study and writing the Master Thesis is the fourth module.

The practical training will take place at the employing hospital and an exchange hospital.

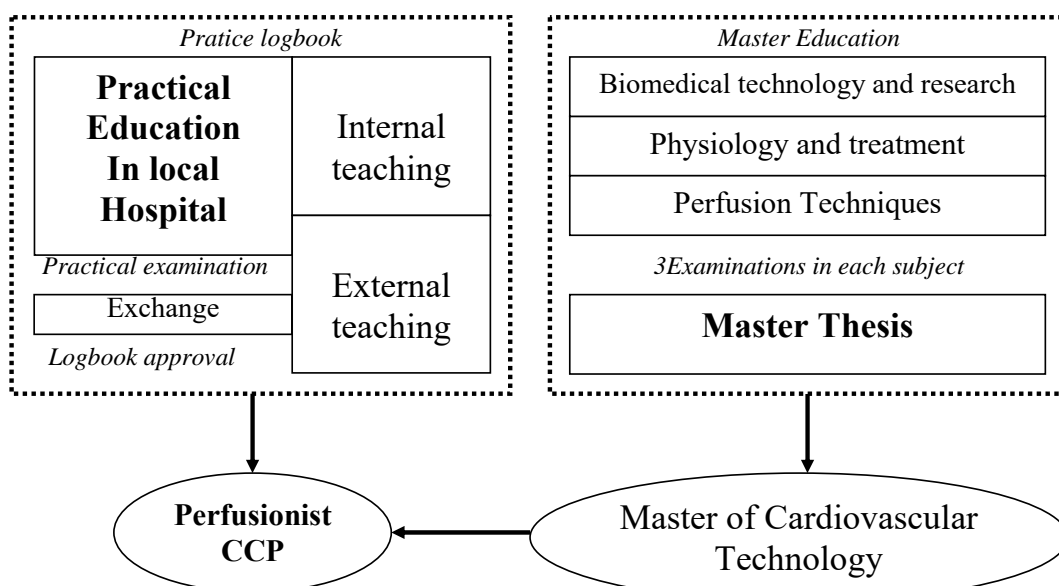
The practical training is an indispensable part of the perfusionist education and a prerequisite for obtaining the certification. Apart from the actual training certain demands for the local lectures must be met. The practice is described in detail in the Logbook which is available at the school's home page:

<http://www.schoolofperfusion.au.dk/>

The home page also contains explanations and elaboration of the recommendations listed below.

Certification as a qualified perfusionist (CCP) is obtained when:

1. The exams of the Master education has been passed, and the Master thesis has been accepted
2. The Logbook has been approved, and the practical examination passed successfully



The school recommends the following:

Employment:

- Employment should be planned so as to start the practical education *at the latest* three months before start of the theoretical education at the school.
- Employment starts more than a year before start of school is not recommended.
- The position of a perfusionist student/trainee should be a full time employment in order to make the best possible use of the practice periods for training and practice.

Qualifications in relation to the Master education:

- The applicant must have an education which corresponds to a bachelor degree + two years of relevant professional experience.
- The applicant must have good skills in both written and spoken English language.
- The applicant must have skills in mathematics and physics corresponding to at least High School (Gymnasium) level B.
- The applicant must have knowledge in anatomy and physiology corresponding to first semester of the Nursing study.
- The applicant must be able to travel and stay in Aarhus several times during the education.
- The applicant must be ready to use time and energy on studies outside of normal working hours.

The School's expectations to the department:

- At employment the student must be affiliated to a supervisor, who will also act as the formal contact to the school.
- Introduction and supervision shall take place according to the Logbook.
- The logbook must be used actively in the practical training from the start of the employment.
- The supervisor is responsible for the organization of the internal education and teaching, as described in the Logbook. A log of witnessed and performed perfusions must be held.
- The employee is a full time student and away from the department 4 x 6 weeks. Of these the student is at the school for three of the periods, while the last six weeks will be used for writing the Master thesis. Furthermore, 2 weeks of practice at another hospital are required.
- Accommodation and transport must be arranged by the home hospital.
- We recommend that the student during the study shall attend a scientific meeting, such as SCANSECT/SATS.
- The department must provide support for the student in connection with the Master thesis, i.e. scientific and practical support for the choice of a relevant scientific project and guidance in the practical implementation. The 6 weeks for the writing must be placed at a suitable time.
- Examination and evaluation of the Master project will take place locally in collaboration with the affiliated university.

Expected expenses apart from the practice:

- School fee.
- Travel and lodging expenses in connection with the three periods of theoretical education at the school in Aarhus, and the following graduation ceremony (i.e. 4 return trips and a total of ca. 110 days).
- Travel and lodging expenses in connection with the study period at the exchange hospital, at least 2 weeks.

Practical Training

Please read the introduction part of the logbook to learn recommendations for the practical training
We urge you to use the logbook from the beginning of the training, and comply with recommendations, checklists and instructions.

Targets for CPB performed very much depend on the time of appointment, the background of the student, - and the departments policy.

The decision of giving responsibility to the trainee is in the hand of the supervisors/department - not the school.

It is a realistic goal in most cases, that the student will reach around 30-50 perfusions before module 2, and 80-100 before module 3.

Please refer any questions and comments to:

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