Cardiovascular Perfusion
Student Handbook
2015-2016

College of Health Professions
Medical University of South Carolina
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INTRODUCTION

The Cardiovascular Perfusion Program at MUSC (formerly known as Extracorporeal Circulation Technology) was founded in 1979 by James P. Dearing.

Each year at the end of the third semester, the James P. Dearing Memorial Scholarship is awarded to a perfusion student in memory of a truly outstanding pioneer and achiever in the health care field. Jim Dearing entered the health care profession at a time when open-heart surgery was in its infancy. Through both talent and hard work, he became one of the founding fathers of the perfusion profession. At the time of his entry into perfusion, there were few academic credentials available. Before coming to MUSC, he established the first academic-based perfusion program in the country at Ohio State University.

Jim Dearing worked to establish credentials so that perfusionists would be recognized as health care professionals. For his lifetime of work, he was awarded the John H. Gibbon, M.D. award in 1987. After years of outstanding service to the Medical University of South Carolina, he was awarded the rank of full professor. His lasting “tree of influence” can be seen today in the numerous students and alumni of the MUSC Cardiovascular Perfusion Program.
CARDIOVASCULAR PERFUSION PROGRAM

The MUSC Cardiovascular Perfusion Program is a well-balanced academic and clinically based perfusion education program dedicated to compassionate, safe, and evidenced-based patient care. The student is exposed to a rigorous education curriculum, which demands excellence in academics, clinical skills, research and professionalism. This program is designed to produce the evidence-based practitioners and leaders in the perfusion profession.

Upon completion of the program, the student is awarded a Bachelor of Science (BS) in Cardiovascular Perfusion.

Department of Health Professions

The Division of Cardiovascular Perfusion, Anesthesia for Nurses, Physician Assistant, PT, and OT, comprise the Department of Health Professions in the College of Health Professions. Rick Segal, PT PhD is the Department Chair, and John S. Ikonomidis, M.D., P.H.D. is the Medical Director of the Cardiovascular Perfusion Program.

CARDIOVASCULAR PERFUSION MISSION STATEMENT

The Division of Cardiovascular Perfusion Mission Statement reflects the goals of the University and College.

The Cardiovascular Perfusion Program Mission Statement reads:

The Division of Cardiovascular Perfusion at MUSC and the MUSC Hospital Life Support Department strive to offer safe, high quality evidenced-based patient care for the citizens of South Carolina, while providing effective educational opportunities for our students.

The program faculty, staff, and students will continually review quality and validity of the clinical practice by vigorously participating in clinically based patient-centered research and outcomes assessment. The program faculty, staff, and students will annually review all outcomes and maintain quality improvement processes as required by all accrediting agencies.

The faculty and students will be active in volunteer service and in interprofessional activities in the hospital, the university, and professional societies.
CARDIOVASCULAR PERFUSION PROGRAM GOALS

At the completion of the program, all graduates will be able to

1. Demonstrate knowledge of the patient’s history, pathophysiology, laboratory values and pharmacology as evidenced by formation of a patient care plan with minimal supervision.
2. Select the proper equipment and supplies, assemble and prime the perfusion circuit using sterile technique, and make ready for surgery with minimal supervision.
3. Initiate CPB, manage CPB including hemodynamics, blood gases, electrolytes, anticoagulation, temperature, and terminate CPB according to protocol with minimal supervision.
4. Demonstrate knowledge and safe operation of adjunctive devices for blood management, ultrafiltration, cardiac assist, and Extra Corporeal Life support (ECLS), with minimal supervision.
5. Select the proper equipment and supplies, assemble and prime the perfusion circuit using sterile technique, and make ready for surgery with minimal supervision.

GENERAL INFORMATION

Cardiovascular Perfusion Profession and Opportunities

Cardiovascular Perfusion is a very specialized allied health profession. The perfusionist is a highly trained member of the open-heart surgery team who is predominantly responsible for the operation of the heart-lung machine. In the operating suite, the cardiac catheterization laboratory, intensive care units and the emergency department, the perfusionist employs a number of highly technical devices that monitor, support and/or replace the functions of the patient’s cardiovascular and/or pulmonary systems. The perfusionist must command extensive knowledge in human anatomy, physiology, pharmacology, pathology and surgical technique.

Hospitals in moderate to large cities usually have active open-heart surgery programs that require perfusion support. Heart disease continues to be a leading cause of mortality and morbidity in this country. Routine cardiac surgery, heart transplant, and specialty techniques and procedures should ensure that the demand for well-trained perfusionists would continue.

Medical University of South Carolina

The Medical University of South Carolina (MUSC) is an academic health care center comprised of a 600-bed referral and teaching center with six colleges (Dental Medicine, Graduate Studies, Health Professions, Medicine, Nursing, and Pharmacy). MUSC’s perfusion education program is in the Department of Health Professions of the College of Health Professions (CHP) (established 1965) at the Medical University of South Carolina. Cardiovascular Perfusion is one of twelve health professions residing in CHP.

MUSC is state-owned and is South Carolina’s primary specialized academic health care facility performing both adult and pediatric heart surgery. The MUSC Children’s Hospital performs approximately 300 pediatric and infant cardiac procedures and is nationally ranked. MUSC has an active liver transplant, heart transplant, lung transplant, ventricular assist and ECMO program in which the Cardiovascular Perfusion faculty and students actively participate.
Faculty and Staff

DIVISION DIRECTOR:
Joseph Sistino, Ph.D., CCP

CLINICAL COORDINATOR:
David Fitzgerald CCP

OFFICE STAFF:
David Evatt, Student Services Program Coordinator /Administrative Support

CLINICAL AFFILIATES

Arkansas Children’s Hospital (Little Rock, AK)
Barnes Jewish Hospital (St. Louis, MO)
Cardinal Glennon Children’s Medical Center (St Louis, MO)
Charlotte Medical Center (NC)
Duke University (NC)
Emory University Hospital (Atlanta)
Greenville Memorial Hospital
Medical Center of Central Georgia (Macon):
Medical University of South Carolina
University of Michigan (Ann Arbor MI))
New York Presbyterian (NYC)
INOVA Fairfax (VA)
Massachusetts General Hospital (Boston)
Long Island Jewish, (New Hyde Park NY)
Louisville Medical Center (KY)
Nationwide Children Hospital
Riverside Medical Center, Columbus OH
Seattle Children’s Hospital
Swedish Hospital (Seattle WA)
Shands Hospital University of Florida (Gainesville)
Trident Medical Center (Summerville)
University of Rochester?

Phone Number for Division of Cardiovascular Perfusion:

Cardiovascular Perfusion Office (843) 792-2298
Division Director (843) 792-9262
Clinical Coordinator (843) 792-8404

Financial Assistance

Financial aid information and applications are available from the Office of Student Financial Aid Services in the Harper Student Center.

The American Society of Extracorporeal Technology (AmSECT), the largest perfusionist professional organization, offers scholarships to students in accredited perfusion education programs.

An MUSC scholarship honoring Professor James P. Dearing was established by contributions made by his family, fellow faculty, former students and manufacturers in 1988. The award is given to an outstanding Cardiovascular Perfusion rising senior student who demonstrates academic achievement, intellectual potential and professionalism as evaluated by the faculty.

In-state status must be applied for at the Office of Enrollment Management.

Daily Schedule Assignments and Cell Phones

The daily clinical schedule will be sent by email between 4 and 6PM. Every effort will be made to have assignments sent during this time, however sometimes this is impossible due to clinical schedule and meetings. Further changes in the O.R. schedule or assignments will be sent by email. **All students issued required to be available at all times from 6:00 a.m. Monday until 4:00 p.m. Friday.** In addition, “on-call” students must keep their pagers on when “on-call” as outlined in the on-call policy below.

Cell Phones are NOT to be used for personal business during classroom or clinical settings unless for emergency contact regarding the OR schedule.

E-Mail

Students of MUSC will be assigned an e-mail account. Instructors, the Dean’s Office and Administrative Departments will send students important information via e-mail. Students should **check their e-mail frequently during the day**
CPR Certification and HIPAA

Certified completion of Cardiopulmonary Resuscitation training for both adult and pediatric must be presented to Clinical Coordinator or designee within one week of beginning of fall semester each year. Students are required to maintain current certification until graduation. Verification of HIPAA training must be provided within the one week of beginning program each year. Training may be done on-line through the MUSC provided website located at: http://www.musc.edu/catts. Students are required to maintain their clinical folder in SharePoint so that all the necessary files are available for clinical rotations.

PROFESSIONALISM

Professional Conduct

Each student enrolled in the College of Health Professions is expected to follow the code of professional conduct found in the MUSC Bulletin and adhere to the AmSECT Code of Ethics.

Under the code of professional conduct, a student enrolled in the College of Health Professions is expected to:

- Appear and conduct themselves in a professional manner.
- Be cognizant of and adhere to the channels of authority.
- Be academically and professionally honest.
- Show respect for and be mutually supportive of fellow students, faculty, and staff regardless of race, religion, sex, nationality or economic status.
- Identify truthfully and accurately their credentials and professional status.
- Refrain from performing any professional service which requires competence that they do not possess or which is prohibited by law.
- Accept responsibility for relating incompetence and unethical conduct to the proper authorities.
- Regard as strictly confidential all information concerning each patient and refrain from discussing this information with any unauthorized individual, including the patient.
- Show respect and consideration for the patient, regardless of race, religion, sex, nationality or economic status.
- Be guided at all times by concern for the welfare of patients entrusted to his/her care.
Standard of Conduct for Treatment of Trainees

MUSC strives to impart the values of professional and collegial attitudes and behaviors in interactions among members of the University community. MUSC prohibits attitudes and behaviors toward students, residents and fellows that are unfavorable to the development of mutual respect. The Standards of Conduct policy provides examples of misconduct and outlines procedures trainees can use to address mistreatment. Please visit the following website for more details:


AmSECT Code of Ethics

The purpose of a code of ethics is to acknowledge a profession's acceptance of the responsibility and trust conferred upon it by society and to recognize the internal obligations inherent in that trust. The following paragraphs delineate the standards governing the conduct of members in their professional interactions with patients, colleagues, other health professionals and the general public. Realizing that no code can encompass all ethical responsibilities of the members, this enumeration of obligations in the code of ethics is not comprehensive and does not constitute a denial of the existence of other obligations, equally imperative, and not specifically mentioned herein. This code of ethics shall be binding on the members of this society.

Canon 1. Members must uphold the dignity and honor of the profession, accept its disciplines and expose without hesitation illegal, unethical and incompetent conduct.

Canon 2. Members shall respect the patients' rights and dignity and shall uphold the doctrine of confidentiality regarding privileged patient information.

Canon 3. Members shall provide only those services for which they are qualified. Members shall not misrepresent in any manner, either directly or indirectly, their skills, training, professional credentials, identity or services.

Canon 4. Members shall strive to improve their medical knowledge and skills on a continuing basis.

Canon 5. Members shall maintain and promote high standards for perfusion practice, which may include education, research and scientific presentations and/or publication.

Canon 6. A member shall at all times hold the well-being of the patient to be paramount and shall not act in such a way as to bring the members’ interests into conflict with the patient's interests. A member shall deliver health care services without regard to race, color, creed, national origin, sex, age, religion, sexual preference or physical and/or mental condition.
Attendance

A student is responsible for studies missed during an absence and will be required to make up all missed clinical experiences. Academic penalties for unexcused absences will be determined by each course director and defined in the course syllabi.

Prompt and regular class, laboratory and clinical attendance are expected from each student in the program. If for any reason a student is unable to attend a scheduled academic assignment, it is his/her responsibility to inform the appropriate instructor, supervisor or program director 1 hour before the absence occurs whenever possible. If prior notification is impossible, an explanation for the absence should be presented to the instructor within 24 hours.

During the final two clinical semesters and with the instructor’s permission, students in the primary perfusionist role may be excused from class until bypass is terminated. After termination of CPB the student is expected to attend remaining class time. When class is over; students assigned to a clinical case are expected to return to their clinical assignment.

An absence is defined as non-attendance of any scheduled class, laboratory or clinical assignment. An absence is classified as excused when the student provides documentation from student health service or they experience a death in their immediate family (2 days funeral leave). All other absences are considered unexcused.

Dress Code

While in the hospital, the Thoracic Surgery office, professional presentations or meetings students will be expected to dress as professionals. This will include lab coats with Cardiovascular Perfusion patch and nametags. (Nametags are also required in the O.R. and cardiac cath lab.) Men will wear ties. (Designated perfusion scrub suits may be worn while in cath labs or at conferences).

If you need to leave the O.R. for a clinical situation (i.e. emergency in the cath lab), you must wear a yellow cover gown or your lab coat over O.R. scrubs and remove shoe covers, hats, and masks. Upon re-entry into the O.R. you must dispose of the yellow cover in an appropriate laundry bag and change into a fresh O.R. scrub suit.

Professional Development Evaluation

In regard to ethics and professional behavior, the students are evaluated each semester as “above satisfactory,” “satisfactory” or “unsatisfactory” in “professional development”. Professional development includes issues such as honesty, ethical behavior, orientation to the patient, and participating appropriately as a team member. Failure to achieve a satisfactory score on the professional development evaluation will result in the student earning an unsatisfactory professional development rating on their grade report. An unsatisfactory rating in professional development will result in academic probation. Two semesters of unsatisfactory professional development will result in dismissal.
CURRICULUM

Curriculum Description

The University Bulletin specifically lists the curricula and the course descriptions (http://academicdepartments.musc.edu/esl/bulletin/chp/hp/cvp/curriculum.html)

The Cardiovascular Perfusion curriculum is structured for two years, 5 semesters (15 weeks each) following the general principles of cognitive domain of learning and developing psychomotor skills.

Students are introduced to the clinical arena, professional behavior and ethics during the first two semesters, along with course work in physiology, pharmacology and pathology. As the course work proceeds students increase their hands-on activities through simulation and wet labs, moving to the animal research labs for initial perfusion training and catastrophe simulation. The course work moves into clinical practice and implementation of research projects during the final two semesters.

Participation is required in seminar courses, journal club, morbidity and mortality conferences, and cath conferences continuously throughout the two years.

First Year

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<tr>
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<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECT-301</td>
<td>Perfusion Technology I</td>
<td>4</td>
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<tr>
<td>ECT-310</td>
<td>Introduction to Statistics and Research Methods</td>
<td>3</td>
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<tr>
<td>ECT-313</td>
<td>Clinical and Laboratory Instrumentation</td>
<td>4</td>
</tr>
<tr>
<td>ECT-320</td>
<td>Seminar I</td>
<td>1</td>
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<tr>
<td>ECT-348</td>
<td>Computers in Perfusion Technology</td>
<td>1</td>
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<tr>
<td>ECT-510</td>
<td>Physiology</td>
<td>6</td>
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<tr>
<td>IP-710</td>
<td>Transforming Healthcare</td>
<td>2</td>
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<tr>
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<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECT-330</td>
<td>Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>ECT-335</td>
<td>Perfusion Technology II</td>
<td>5</td>
</tr>
<tr>
<td>ECT-340</td>
<td>Fundamentals of Clinical Acid Base Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>ECT-355</td>
<td>Research Planning and Design I</td>
<td>1</td>
</tr>
<tr>
<td>ECT-360</td>
<td>Pathophysiology for Perfusion Technology</td>
<td>4</td>
</tr>
<tr>
<td>ECT-610</td>
<td>Pharmacology for Perfusion</td>
<td>4</td>
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<td>17</td>
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Summer Session
ECT-331  Principles and Practices of Perfusion Technology  7
ECT-345  Clinical Experience I  6
ECT-461  Research Planning and Design II  1
ECT-400  Intro to Clinical Perfusion Through Simulation  3
ECT-464  ECT in Pediatric Heart Surgery  2

Second Year
Fall Semester
ECT-410  Seminar III  1
ECT-451  Clinical Experience II (A and B)  12
ECT-462  Special Projects I  1

Spring Semester
ECT-420  Seminar IV  1
ECT-452  Clinical Experience III (A and B)  12
ECT-463  Special Projects II  1

Competencies and Terminal Objectives

Each course, especially the clinical courses, carries objectives and competencies that must be demonstrated by the student. Each course employs testing and evaluation methods appropriate to and matching the course objectives.

Minimum Criteria

To ensure appropriate mastery of the primary didactic and clinical course work during the Cardiovascular Perfusion program students must achieve a grade of 2.0 (75%) or better in all courses for successful course completion. Any grade below 2.0 will be considered a failing grade. A grade <2.0 in any of the core courses will warrant a request for student withdrawal or dismissal. (CH=Credit Hours)

Clinical Experience

Past years have demonstrated the program's success in providing more than seventy-five procedures for each student enrolled.

On-Call Responsibilities

As part of the educational experience in the Cardiovascular Perfusion program students will be required to be “On-Call” during Clinical Experience II, III and IV. The hours and frequency
will vary depending upon clinical assignments. Pagers will be assigned to the “On call” students. It is the “On-call” student's responsibility to be available and to be within 30 minutes of the OR.

Affiliations and Clinical Rotations

The MUSC Cardiovascular Perfusion Program provides the clinical perfusion services at MUSC and the VAMC.

MUSC Hospital is accredited by the Joint Commission on Accreditation of Healthcare Organizations. The Ralph Johnson Veterans Administration Medical Center (VAMC) is a 401-bed general medical and surgical hospital. The VAMC is a Dean's Committee hospital and maintains a close liaison between it’s’ staff and the staff at MUSC. The VAMC is regulated and monitored by the national Veterans Administration. All South Carolina health care facilities including Cardiovascular Perfusion Program affiliates, are monitored and regulated by the South Carolina Department of Health and Environmental Control (DHEC).

Students will be required to attend out-of-town rotations where room and board will be the responsibility of the student.

Student Service Policy

While in clinical rotations performing patient-care activities, Cardiovascular Perfusion students will always be supervised by clinical instructors. Cardiovascular perfusion students shall never be employed to take the place or assume the responsibilities of clinical staff perfusionists at MUSC or its clinical affiliates.

Cardiovascular Perfusion students are limited to the patient-care competencies described in the course specific syllabus. Specific perfusionist tasks, such as drawing up and checking drugs alone, or co-checking donor blood products, remain the primary responsibility of the Cardiovascular Perfusion clinical faculty in the patient care areas, even if the Cardiovascular Perfusion student is a registered nurse. Cardiovascular Perfusion students do not perform IABP, ATS, or ECMO without direct instructor supervision.

Should students find that they are assigned to or performing patient-care activities without faculty supervision, the student must immediately cease activity, consult faculty, and notify program officials.

Students who are appropriately licensed and experienced may seek employment in their non-perfusionist specialty at MUSC or surrounding hospitals as long as their employment does not interfere with class meetings, clinical assignments, call or academic performance.

Student Clinical Competency

During the third, fourth, and fifth semesters of the Cardiovascular Perfusion program, the Clinical Coordinators at the various clinical sites complete evaluations at the end of each semester to document the student's progress toward competency. Clinical competencies are an opportunity for the student and faculty to review the student's progress, the program's ability to meet the student's needs and to formulate an action plan to accomplish the goal of producing competent perfusion professionals.
FACULTY ADVISOR

Each student is assigned a faculty advisor. It is the responsibility of the students to schedule a meeting with their advisor at least once each semester. Cardiovascular Perfusion students may consult their faculty advisor with challenges that cannot be resolved on a teacher-student basis. Student must contact their faculty advisor whenever they are failing a course in order to develop a plan for successful completion of the semester.

DEPARTMENT POLICIES

Grievance Policy

Any complaint of a student concerning academic performance may proceed in two ways:

A student having a complaint based upon his/her performance in a specific department or course shall attempt to resolve such complaint himself/herself with the academic department involved.

If the matter is not resolved to the satisfaction of the student and the student continues to feel that a wrong has occurred, the student may petition the Department Chair in writing.

A student complaint arising from an action of the CVP Academic Progress Committee (Cardiovascular Perfusion Faculty) should be addressed to the Department Chair in writing. A complaint must be received by the Chair within ten (10) calendar days following receipt of notice by the student of the action of the CVP Academic Progress Committee or such complaint shall be waived. The Chair may refer the matter back to the CVP Academic Progress Committee or to an ad hoc committee for their consideration and recommendation.

1. The Chairman of the CVP Academic Progress Committee (Division Director) or ad hoc committee shall provide the student with written notice of the hearing not less than seven (7) calendar days prior to the hearing.
2. The student must present all relevant evidence in his/her behalf at the hearing and may be accompanied by a faculty advisor of choice.
3. The Department Chair, after a review of the record and the recommendation of the committee, shall render a decision and advise the student in writing.
4. The Dean of the College has the option to review the decision and make an additional decision regarding the outcome.

Appeal Process

Refer to the university honor code in the Bulletin of the Medical University of South Carolina (http://academicdepartments.musc.edu/esl/studentprograms/honorcode/)

Borrowing of Faculty or Department Resources

The program and faculty have books, tapes and other resources that are available to
students. **Books, journals, periodicals, etc, may NOT be removed from the Departmental Library without prior consent from the faculty. Students are expected to properly re-shelve all books, journals and periodicals after usage.**

**EXPENSES**

**Academic Charges**

University and College tuition and fees for in-state and out-of-state students can be obtained from the student financial aid office. Additional fees that are specific for the Cardiovascular Perfusion program include:

| Program Fee | $750.00 per semester |

*Other applicable fees for specific purposes (i.e. returned check, financial reinstatement, etc) are listed in the University Handbook.*

**Books and Course Syllabi**

Book expenses vary from term to term, with the greatest expense incurred the first semester. Books may cost $800.00 or more initially. The second term may cost $200.00 to $300.00 for books, and most likely less than $100.00 for each remaining term. Several Cardiovascular Perfusion courses require syllabi. They can be purchased at cost. For details consult the Cardiovascular Perfusion Office Manager at the beginning of each semester.

**Professional Liability Insurance**

While a student in the Cardiovascular Perfusion program, the College covers liability insurance costs. An additional, personal practice policy may be required for specific rotations.

**Immunizations and Emergency Care**

All students entering MUSC must provide proof of immunizations and are required to have hospitalization insurance in the event of illness or injury. Students not meeting these requirements will not be allowed to attend classes. Student Health Services staff will contact all students accepted into the program to coordinate and confirm compliance prior to beginning of classes. Emergency care for students is addressed in the Medical University Student Handbook.

**Drug Testing**

All students will undergo random drug testing before starting clinical rotations.

**Professional Dues**

Students are required to join the national perfusion associations; the American Society of Extracorporeal Technology (AmSECT) and the American Academy of Cardiovascular Perfusion (AACP).
For membership in AmSECT the annual student membership fee is only $15.00. The annual fee for membership in AACP is $25.00.

STUDENT RESEARCH DAY

Student Research Day (SRD) is an all-day event, held each fall. It is designed to encourage participation in scientific presentations that are similar in format to major national meetings. Student Research Day is an excellent learning opportunity for our students in a friendly environment.

The role of SRD is multifaceted: it helps to sharpen the student's presentation skills; it provides a springboard for students to attend regional and national meetings; it advertises the excellence of the research performed at MUSC; and it assists in our ongoing recruitment efforts for both students and faculty.

The Cardiovascular Perfusion program is well known for its success in integrating research competencies into its perfusion education curriculum and participation in SRD is highly encouraged.

2015-2016 PROFESSIONAL AND REGIONAL MEETINGS

54th AmSECT International Conference. Colorado Springs, CO (March 15-19, 2016)

37th Annual Seminar of The American Academy of Cardiovascular Perfusion. Savannah, GA (February 4-7, 2016)

Students are encouraged to submit papers and posters for presentation and to attend these perfusion meetings. All students are required to attend at least one national perfusion conference.

OUTSTANDING STUDENT AWARD

Each year one student from the senior Cardiovascular Perfusion class is chosen as the recipient of the Outstanding Student Award. The selection is made by vote of the Cardiovascular Perfusion faculty and is based upon the following criteria: maturity, team orientation, patient and professional attitude, attitude toward research, and dependability.

JAMES DEARING LECTURE

Part of the culture and tradition of the Cardiovascular Perfusion program is the James P. Dearing Memorial Lecture given the month of graduation. This lecture is usually given by a visiting perfusionist/professor. It is a requirement that all students attend this lecture.
CERTIFICATION EXAMINATION

The American Board of Cardiovascular Perfusion was established in 1975 for the purpose of certifying individuals engaged in the practice of clinical perfusion (CCP). The examination process is divided into two criterion-referenced written examinations: Perfusion Basic Science and Perfusion Clinical Applications.

Admission requirements to the Perfusion Basic Science examination are:

1. Graduation from a program accredited by the Commission on Accreditation of Allied Health Education Programs;
2. Performance of seventy-five clinical cases while in training;

Admission requirements to the Perfusion Clinical Applications examination are:

1. All requirements listed for the perfusion Basic Science exam;
2. Perform fifty clinical cases after graduation;

Both Applications for Examination for the American Board of Cardiovascular Perfusion (ABCP) may be requested by calling or writing:

The American Board of Cardiovascular Perfusion
2903 Arlington Loop
Hattiesburg, MS 39401
(601) 268-2221

AMERICAN BOARD OF CARDIOVASCULAR PERFUSION CODE OF ETHICS

The American Board of Cardiovascular Perfusion believes that the Certified Clinical Perfusionist (CCP) shall be dedicated to providing competent medical service with compassion and respect for human life. In the spirit of promoting ethical professional development, the following Code of Ethics has been formulated in the interest of both safety for the patient during cardiovascular perfusion and the protection of the public.

I The Certified Clinical Perfusionist who willfully misstates fact during the application, examination, or recertification processes is guilty of unethical conduct. Likewise the willful misstatement of fact regarding the title or membership in a professional community is considered unethical conduct.

II The Certified Clinical Perfusionist who consciously fails to promote both the safety and protection of the public is guilty of unethical conduct.

III The Certified Clinical Perfusionist who willfully disregards the patient for monetary gain is
guilty of unethical conduct. Examples of such conduct are unjustified reimbursement for services performed or prejudicial compensation.

IV The Certified Clinical Perfusionist who shows willful disregard for sound patient care by acts of omission is guilty of unethical conduct.

V The ethical Certified Clinical Perfusionist shall subscribe to all other applicable ethical standards of the medical community.

VI The Certified Clinical Perfusionist accepts the responsibility for subscribing to the preceding Code of Ethics and for reporting unethical professional conduct.

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Student Handbook Acknowledgement Form
Fall, 2015
Division of Cardiovascular Perfusion
College of Health Professions

I have received, read and understand the contents of the 2015-16 Medical University of South Carolina Cardiovascular Perfusion Program Student Handbook.

Name (Printed)

Signature

Date: ______________________________