



**Florida SouthWestern State College**

**Cardiovascular Technology**

**Advisory Board Agenda**

Tuesday, June 13<sup>th</sup>, 2023

9:00-11:00am EST

FSW Lee Campus – A 207

*Platforms – Zoom*

[Link](#)/Meeting ID: 881 0097 9677/Passcode: 240537

TOPIC	DESCRIPTION
<p><b>WELCOME &amp; INTRODUCTIONS</b></p>	<ul style="list-style-type: none"> <li>• Program Faculty &amp; Staff</li> <li>• FSW Administration &amp; Staff</li> <li>• Clinical Affiliates</li> <li>• Community Allies</li> <li>• Current Students</li> </ul>
<p><b>OVERVIEW OF GRADUATE OUTCOMES</b></p>	<ul style="list-style-type: none"> <li>• Number of 2023 Graduates/Outcomes to be discussed</li> <li>• Number (1991-2023 = 376, 2023 = 9)</li> <li>• Placement statistics (2021 = 9/10 employed 90%, 2022 = 10/12 employed 83%)</li> <li>• RCIS Registry statistics (1991-2021 = 99%, 2021 = 9/10 (one has not sat), passed 100%, 2022 = 12/12 passed 100%)</li> </ul>
<p><b>2023 GRADUATING &amp; 2024/25 CLASS PROJECTIONS</b></p>	<ul style="list-style-type: none"> <li>• 2023 = 9 graduating</li> <li>• Pinning Ceremony is on June 24 (At FSW)               <ol style="list-style-type: none"> <li>1. 2024 = 11 traditional students (14 with 3 recycles)</li> <li>2. 2025 = 26 students accepted with an additional 2 to re-enter (H22)</li> <li>3. ~17 qualified applicants, 2025 = 19</li> </ol> </li> </ul>
<p><b>HUMAN RESOURCES</b></p>	<ul style="list-style-type: none"> <li>• Instructional Faculty &amp; Staff               <ol style="list-style-type: none"> <li>1. Upcoming Transitions                   <ol style="list-style-type: none"> <li>1. Faculty Positions</li> </ol> </li> <li>2. Clinical Associates</li> </ol> </li> </ul>

**PHYSICAL RESOURCES**

- Lab Remodel
  - Where are we? Our plan for growth
- More information to come: We are working to create a simulation package that healthcare organization can use to help train their new staff.
  - Mentice Simulators
  - Right Heart Simulators
  - Lab Space

**CLINICAL RESOURCES & CLINICAL COORDINATOR REPORT**

- Total Clinical site (18 total) ranging from Tampa to Mount Sinai.
- Memorandum of Understanding (MOU)
  1. Minimum vs maximum clinical student placement
- Equipment
  1. Cath packs to be donated every Fall
- Clinical Experiences Report
- Clinical Preceptor Training for the Invasive Cardiovascular Technology Professional
  1. CEUs

**CURRICULUM/PROGRAM UPDATES**

- Overhaul of CVT Curriculum (Approved May 2023)
  1. Removal of RESP courses
  2. Shortened the program by a mini-term
  3. Begins with Fall 2023 cohort (2025 graduates)
- Proposal of Non-Invasive CVT Program (For Fall 2024 start)
  1. Vascular and Adult Echo
    1. Program Instructor Position-RDCS/RVT Credentials
  2. Initial cohort = 20 students
  3. Total intake for CVT program = 46

**MEDICAL DIRECTORS PERSPECTIVE**

- **Dr. Orlando Escárcega**, Florida Heart Associates, Medical Director

**STUDENT ENGAGEMENT AND EXPERIENCE**

- Lambda Nu – Chartered May 2<sup>nd</sup>, 2023
  - 3 inductees – June 24<sup>th</sup>, 2023
- Student Paid Internships

**STUDENT PERSPECTIVE**

- Current Students – Cohort 2023/Cohort 2024

**PUBLIC MEMBER INPUT/AHA REPRESENTATIVE**

- Community outreach
- AHA Heart Walk – December 9<sup>th</sup>, 2023
- Heart Disease Awareness Month - Cape Coral Rocks

**JRC-CVR/CAAHEP ACCREDITATION STATUS**

- CAAHEP/JRC-CVT Continuing Accreditation Reaffirmed July 2019
- Continuing to meet and/or exceed all thresholds for Annual Report of Current Status

**CONTINUING  
EDUCATION**

- Bachelors of Cardiopulmonary Science
- Preceptor Training Certificate – CEUs through ACVP
  1. <https://fsw.instructure.com/eportfolios/39980>
- Simulation Outreach
- Clinic site feedback

**DISCUSSION**

**ADDITIONAL QUESTIONS  
OR CONCERNS  
ADJOURNMENT**

# Florida SouthWestern State College

## Cardiovascular Technology

### Advisory Board Minutes

Tuesday, June 13, 2023

#### A. Attendees:

- Taylor Lobel
- Arianna Collins
- Makayla Krohse
- Shebelle Dallemand
- Alexandria Monk
- Ray Lenius
- Darrin Crosby
- Angela Leland
- Halley Bennett
- Chris Weigelt
- Alberto Mas
- Tami Such
- Brian Crosby
- Alex Schimel
- C. Hartwell
- R. Horrocks
- Ashley Anderson
- Megan Heins
- Danielle Parrish
- Laura Alexander
- Megan Stone
- Erica Ciera

#### B. Called to order

9:04AM

#### C. Introductions

Introductions were made by all attendees starting with Director Lena Scott, Professor Halley Bennett, Professor Ray Lenius, Tamra Pacheco, and Dr. Tami Such – Health Professions staff followed by Alex Schimel in Academic Advising, students and clinical site staff.

#### D. Overview of Outcomes

- a. Number (1991-2023 = 376, 2023 = 9)
- b. Placement statistics (2021 = 9/10 employed 90%, 2022 = 10/12 employed 83%)
- c. RCIS Registry statistics (1991-2021 = 99%, 2021 = 9/10 (one has not sat), passed 100%, 2022 = 12/12 passed 100%)
- d. We are still waiting on 2 students for feedback on job placement from

- the class of 2022.
- e. We are now accepting 26 students, but we need to consider attrition when selecting the applicants and will not select those with points below the cutoff each year.
  - f. We will have 9 students graduate this year and the pinning ceremony will take place in AA-177 at 11 am on Saturday, June 24<sup>th</sup>.
  - g. We will have 19 students start in the fall if all are accepted, with 2 returning students.

#### **E. Human Resources**

- a. Professor Ray Lenius will be retiring after 13 years here at FSW. He will become an Adjunct and help out in both the CVT and Bachelors programs.
- b. We are looking to fill Professor Lenius' role with preferably with someone who has a master's degree. An RCIS with a bachelors' degree will also be accepted.
  - A. Professor Lenius is also involved with the accrediting body and will continue to work on their committee performing site visits.
- c. We need Clinical Associates and will do whatever is possible to recruit them, such as visiting them at the hospital on their lunch break if permissible.
- d. The pay starts at \$31 per hour.
- e. This Fall we will need at least 2 CAs for assistance in the lab course.
  - A. The students agree that we need additional assistance in the classroom and appreciate having access to the lab when class is not in session to practice.

#### **F. Physical Resources**

- a. Attendees toured the lab and learned the history of the simulators – Mercedes and Opal.
- b. The renovation has created more space to move around the lab while eliminating old equipment such as the large C-Arm that took up half of the room.
- c. We purchased a new x-ray table that has more adjustments than the previous one.

#### **G. Clinical Resources**

- a. We added Mount Sinai Hospital to our list of clinical sites. They offer an on-call suite for our students who complete their rotation there.
- b. We also added Sarasota Memorial in Venice.
- c. Sites can request students and students get the option on where they want to complete their 5<sup>th</sup> rotation. This is based on the rotation schedule – if another student has not been to that site, then that student will be given preference. It can be a challenge with scheduling but we will not allow more than the maximum number of students to be placed at a single site.
- d. We remind the students to use their time as a long interview for possible employment at that site.
- e. Director Scott will meet with each director to establish a MOU for the maximum number of students they can take at their facility each semester.
- f. Students also participate in noninvasive labs on campus and we will increase that time in the next school year.

## H. Curriculum/Program Updates

- a. The class of 2022 had the highest RCIS scores.
- b. We need cath packs and are requesting one to be donated from each of the sites for our lab, if possible.
  - o These can be brought to our annual meeting or sent by students from the clinical sites.
- c. An anonymous feedback survey will be sent out to the students at the end of this semester and the clinical sites will receive that feedback once it is compiled.
- d. We created preceptor training for our clinical sites to learn about the program and how to evaluate our students. Preceptors complete the training and in return we will pay for their ACVP membership, which is worth \$45. Preceptors then earn continuing education units. Conversion of contact units to CEUs can be found on ACVP application and the online preceptor training.
- e. Since the CVT program has split from the Respiratory Care Program, there were many curriculum changes that went along with that. RET 1024, RET 2244, and RET 1613C were removed from the curriculum. 3 courses were created to replace them – CVT 1000, CVT 2205 and CVT 2842C.
- f. The CVT program will end in May instead of June starting with the next cohort. This shortens the program by a mini-semester.
- g. The program will focus more on specialized areas of CVT and eliminate the areas of respiratory care that are not needed, except for blood gases, intubation procedures, and etc.
- h. We are planning to submit a proposal to create a noninvasive program track. Dr. Tami Such is requesting feedback from the facilities regarding the need for this training. We should know by August if our proposal was selected to receive funding.
  - o The non-invasive program will include curriculum that covers both adult echo and vascular procedures.
  - o CVT 1000, 2620, and 2920 will still be required for the noninvasive track.
  - o We need to promote growth for this program and implementing a second track should contribute to that growth. The idea is to take in at least 20 students for the non-invasive program.
  - o Per Lee Health, there is a shortage of echo and vascular certified staff. They are paying large bonuses to recruit people and utilizing travelers with that experience to fill the gaps when needed.
  - o Lee Health has about 10-15 vacancies for ECO.
  - o Carlton expected 35% growth since COVID and this is a good step to expand.
  - o Keiser has a program in Tampa, but it is limited to general ultrasound.
  - o As structural heart grows, we are supportive of the program and would also like echo added to the invasive side of the program as well. There will be a 300% increase in echo procedures performed in the next few years.
  - o Students are looking for noninvasive programs and this track would bring them in.

## **I. Medical Director Perspective**

- a. The graduates are entering a world of high technology. They still need to focus on coronary intervention and equipment used at each site.
- b. Get familiar with the preparation of catheters and the different wires and procedures.
- c. Expand into structural heart and peripheral interventions.
- d. More well-rounded curriculum and new procedures are welcome.
- e. Being able to handle the access site management and understanding the various complications that can occur is important.
- f. Deep coronary and peripheral support are important areas to cover in the program.

## **J. Student Engagement**

- a. We have established Lambda Nu, an honor society for the radiologic and imaging sciences, and it was chartered on May 2, 2023. We have 3 inductees.
- b. We have an internship in the planning stages, but we must ensure that the students are not working during their clinical lab hours at the facilities.
  - a. The goal is to protect the clinical hours while allowing the students to earn money while being enrolled in the program.
- c. Our students complete 650 – 900 clinical hours in the program. This is apart from the simulated hours.

## **K. Student Perspective**

- a. *Class of 2023*
  - a. The program has been amazing.
  - b. One suggestion is to have 1 assigned preceptor at the facility so they get to know the students and the skills they have obtained thus far.
  - c. Halley is creating a clinical resume to show student experience in clinic and that will be shared with the preceptors.
  - d. The steps in a simulated procedure did not flow; therefore, the students did not know what was needed to complete each step in a procedure at the facility.
  - e. Interventional class and lab will help the students learn the proper steps in the procedures performed in the cath lab.
  - f. The program goes into depth on the descriptions and how to use TR bands, but we need to do more in lab with demonstrations.
- b. *Class of 2024*
  - a. Alberto Mas enjoyed the hands-on portion in the simulation center with Dr. Buhain. Halley stated that we will be doing more simulation in the sim center.
  - b. Taylor did not favor the simulation experience and supports the separation of the CVT and Respiratory Care programs.
  - c. Taylor also prefers to have class separated from lab.

## **L. Community Outreach**

- a. The American Heart Association Walk is taking place on December 9<sup>th</sup>. It is a 3 mile walk from 8 to 11 and the proceeds go to heart research and kits for

- CPR and Diabetes.
- b. Cape Coral Rocks – design rocks with information about heart health to build awareness in the community.
- c. The program is not up for accreditation renewal until 2026.

#### **M. BS Cardiopulmonary Science**

- a. The bachelor's program is made up of 12 program core courses.
- b. Some of the course are for Respiratory Care, but they are electives.
- c. All of the courses are online.
- d. The capstone course includes thesis papers.
- e. Classes are essay heavy that require APA format and also include quizzes.
- f. Some of the courses are as follows:
  - 1. HSC 4159 - Advanced Medical Pharmacology 3 credits
  - 2. HSC 4555 - Pathophysiologic Mechanisms 3 credits
  - 3. HSC 4652 - Health Care Ethics 3 credits
  - 4. RET 4050 - Research Methods 3 credits
  - 5. RET 4445 - Cardiopulmonary Diagnostics 3 credits
  - 6. RET 4505 - Chest Medicine 3 credits
  - 7. RET 4524 - Education in Community and Acute Healthcare Environments 3 credits
  - 8. RET 4536 - Cardiopulmonary Rehabilitation 3 credits
  - 9. RET 4715 - Advanced Neonatal Medicine 3 credits
  - 10. RET 4933 - Selected Topics in Cardiopulmonary Sciences 3 credits
- g. We want to move RCIS into the spotlight in the medical field and have more educational opportunities.

#### **N. Clinical Site Feedback**

- a. The savviest technologists came from this program.
- b. Tampa General has not hired a single traveler because of our program.
- c. We need to drive towards licensure.
- d. Keep the students coming to our facility
- e. We do heavy transplants and students see a lot.
- f. They have students completing their clinical rotations from various schools.
- g. Brian at Gulf Coast stated that the quality of students is great and they are full of knowledge.
- h. There are many opportunities for student now.
- i. Amy at Manatee Memorial stated that they appreciate our students.
- j. They do a wide variety of procedures.
- k. They appreciate how well the students are prepared to work in the cath lab.
- l. They thank us for the program and opportunities we provide for the students.
- m. A student that was recently hired is doing well.
- n. Lena requested everyone to complete the program survey.

#### **O. Adjournment**

Meeting adjourned at 10:26.