

Demographic Information

1. Number of years DPT program has been established?

2. Zip code of DPT program?

3. Is your DPT program affiliated with an academic medical center hospital?

Mark only one oval.

☐ Yes

☐ No

4. If yes, indicate total number of intensive care unit beds?

Curriculum-related Questions

5. Are DPT students required to take an acute care/cardiopulmonary (CP) course?

Mark only one oval.

☐ Yes

☐ No

6. If yes, what is the length of the course?

Mark only one oval.

- ☐ 12 weeks
- ☐ 8 weeks
- ☐ 6 weeks
- ☐ Less than 6 weeks
- ☐ Seminar only

7. Please think about the didactic portion of your cardiopulmonary curriculum and indicate instruction that is currently provided.

Check all that apply.

- ☐ Purpose of ECMO
- ☐ Basics of ECMO equipment
- ☐ Potential emergencies and complications during ECMO
- ☐ No ECMO-related didactic instruction provided

8. Please indicate any critical care case study discussions in the curriculum that involve treatment planning for patients on ECMO.

Check all that apply.

- ☐ Discussions involve collaboration with other DPT students
- ☐ Discussions involve collaboration with course instructor
- ☐ Discussions involve collaboration with other medical professionals
- ☐ Discussions involve collaboration with students of other disciplines
- ☐ No ECMO-related case study discussions

9. Do DPT students participate in any simulation-based training that addresses ECMO in addition to other invasive intensive care modalities?

Mark only one oval.

☐ Yes

☐ No

10. If yes, please check off skills that are addressed during simulation experience.

Check all that apply.

- ☐ Assessment of patient suitability for physical therapy
- ☐ Securing of all IV lines, tubes, monitor equipment, and ECMO connections
- ☐ Hemodynamic monitoring throughout intervention
- ☐ Methods to allow adequate tubing slack during mobilization that prevent strain on circuit
- ☐ Verbal and non-verbal communication strategies with other multidisciplinary team members
- ☐ Management of equipment emergency or physiological deterioration

Other: ☐ _____

11. If any ECMO-related instruction is provided (didactic, case study, simulation), what are the credentials of the instructor(s)?

Check all that apply.

- ☐ Master of Science in Physical Therapy
- ☐ Doctor of Physical Therapy
- ☐ PhD/EdD/DSc/other professional doctorate
- ☐ Certified Cardiovascular & Pulmonary Specialist (CCS)
- ☐ Certified Healthcare Simulation Educator (CHSE)
- ☐ MD/PA/APRN/other medical specialty
- ☐ Certified ECMO Specialist (CES-A)
- ☐ Clinical "hands-on" experience with ECMO in ICU

Other: ☐ _____

12. If any ECMO-related instruction is provided (didactic, case study, simulation), how is student preparedness assessed?

Check all that apply.

- ☐ Cognitive knowledge assessment (e.g. written exam)
- ☐ Technical skill assessment (e.g. part of practical simulation-based assessment)
- ☐ Behavioral skills assessment (e.g. communication & safe decision making/oral or practical)
- ☐ No inclusion in assessments

13. Do any of your DPT students receive "hands-on/real patient" experience with ECMO?

Mark only one oval.

- ☐ Yes
- ☐ No

14. If yes, what percentage of students?

Mark only one oval.

- ☐ 0-10%
- ☐ 10-25%
- ☐ 25-50%
- ☐ 50-75%
- ☐ 75-99%
- ☐ 100%

15. If yes, in what way does this experience generally occur?

Mark only one oval.

- ☐ A one-time clinical acute care visit
- ☐ As part of an acute care clinical rotation
- ☐ Through "live" demonstration during acute care/CP course
- ☐ At the request of the student
- ☐ Other arrangement

16. What barriers to ECMO-related education exist in your DPT program?

Check all that apply.

- ☐ Insufficient instructor training
- ☐ Limited teaching time
- ☐ Financial constraints
- ☐ Lack of simulation equipment
- ☐ Importance of these skills has not been identified in our program
- ☐ We are a rural program where this level of ICU technology is not common
- ☐ Other

17. Please feel free to convey any comments regarding ECMO or other advanced ICU modalities in relation to DPT curriculum. Thank you!
